Product Catalog

ATEN SOHO and SMB Solutions

2017 | 2018

Simply Better Connections

Our Vision

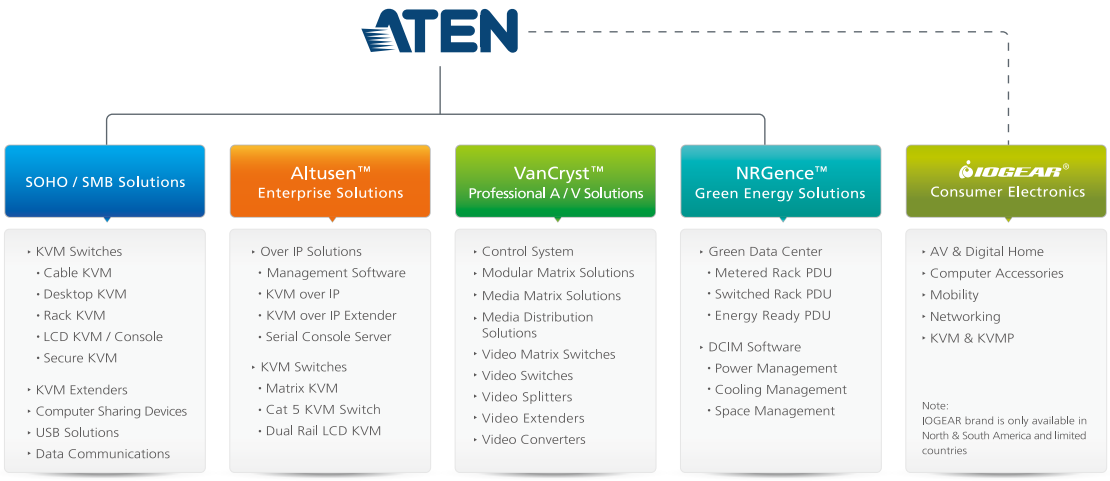
"Simply Better Connections" has always been at the heart of the ATEN brand. It means providing innovative solutions for you to make better connections, efficiently and seamlessly, to the information and people that you value. As a result, ATEN connects you to the world, anytime and anywhere, by providing technologies that enable you to share and to care. ATEN makes professional and personal life easier and better connected.

About ATEN

ATEN, established in 1979, specializes in connectivity management solutions for accessing and sharing technologies. ATEN consolidates all of its products under the ATEN brand to provide a standard of consistent service under one name. The ATEN brand consists of innovative solutions applied to IT infrastructure access management, professional audio/video, green energy products for consumers, small/home offices (SOHO), small to medium sized business (SMB) and enterprise customers.

ATEN's Altusen™ IT infrastructure access management solutions offer connectivity and control capabilities for SMB and Enterprise customers that allow people to effectively manage IT equipment from anywhere in the world. ATEN's VanCryst™ professional audio/video solutions offer signal management and system control for home and professional audio/video installations with a variety of applications in corporate, education, government, hospitality and home theater environments. ATEN's NRGence™ Green Energy line offers sensor-enabled energy-saving hardware and software solutions for the data center with a range of intelligent power distribution units that provide real-time energy management and performance indicators locally and remotely.

ATEN specializes in connectivity and management solutions. We distribute our products through a global sales network to meet a broad range of customer needs. ATEN delivers with quality and we care about our customers. We are committed to the best customer support in the industry.



Our Core Value

I CAN

Integrity
with pragmatism as our philosophy

Caring
with respect as our spirit

Ambition
with optimism as our attitude

Novelty
with added-value as our achievement

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Note :
Product features and illustrations may have been updated since this catalog was printed.
Please visit our website to obtain the latest information.

Company Profile

CANADA R&D

USA (CA)

USA (NJ)

BELGIUM

UK

- Corporate Headquarters
- Asia-Pacific / Europe / America / Oceania
- R&D / Manufacturing

Global Sales and Service Network

ATEN has built a global network of sales and engineering professionals to provide our customers with fast, efficient and comprehensive service. Our distribution channels and partners extend worldwide to more than 100 countries.

ATEN eNews

ATEN eNews is a monthly publication featuring the latest ATEN product developments, marketing and promotional resources, and corporate activities.

ATEN eService

ATEN eService is a web portal which provides several ATEN online services, including technical support, product registration, and partner services. All services can be accessed with a single ID and password.

ATEN Partner Center

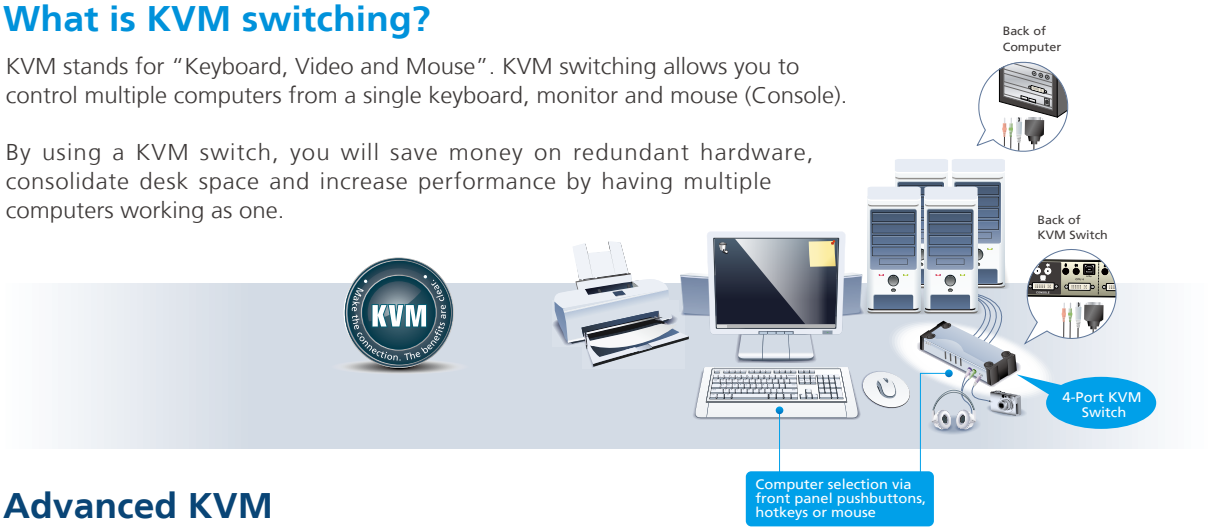
Authorized distributors can access the ATEN Partner Center to get the latest marketing materials, sales tools, technical documents, product certifications and more. Registered partners receive a monthly newsletter to stay up-to-date with ATEN's latest product news and events. ATEN also provides integrated marketing programs and promotions to assist partners in promoting ATEN products and services.

Basic KVM

What is KVM switching?

KVM stands for "Keyboard, Video and Mouse". KVM switching allows you to control multiple computers from a single keyboard, monitor and mouse (Console).

By using a KVM switch, you will save money on redundant hardware, consolidate desk space and increase performance by having multiple computers working as one.



Advanced KVM

1. Managing Multiple Servers

Additional KVM switches can increase the overall capacity of your installation. There are two methods for expanding your KVM switch installation: cascading and daisy-chaining.

Cascading

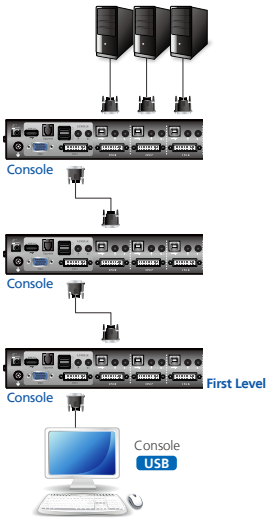
Cascading involves using the KVM port(s) of a parent KVM switch (one that is above a switch linked down from it) to connect to the console ports of a child KVM switch. With numerous child switches linked down from the parent, the effect is reminiscent of the way water cascades down a waterfall. Cascading adds capacity to a KVM installation, but the parent KVM switch loses at least one KVM port for each cascaded child switch.

Daisy-chaining

Daisy-chaining refers to connecting two KVM switches via dedicated daisy-chain ports. The switches are strung together in a chain, similar to the way children make chains of daisies by tying the end of one daisy to the head of another.

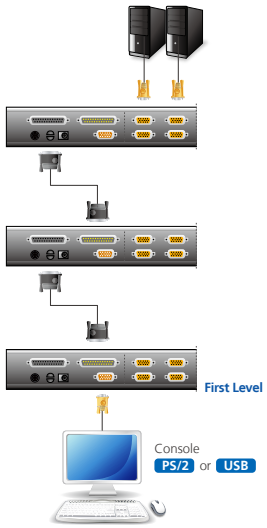
A daisy-chained installation does not utilize KVM ports or user ports to connect one switch to another as in a cascaded installation and thereby preserves the number of valuable ports. The port capacity of a daisy-chained installation is the total of all the KVM ports for all of the KVM switches on the chain.

Cascading



CS1768
8-Port DVI KVM Switch

Daisy-chaining



CS1716A
16-Port KVM Switch

The Latest Patented Technology from ATEN

- **All-in-One**

  ATEN's patented all-in-one custom KVM cables were the first in the industry to offer such technology built directly into a KVM switch. The all-in-one design provides the perfect solution for accessing and sharing 2 or 4 computers in a SOHO or Digital Living Room environment. Its integrated design and small footprint allow it to be placed in a convenient, out of the way, location so that it doesn't negatively impact the room's decor.
  Products: All Cable KVM Switches

- **KVMP™**

  KVMP™ is a patented ATEN technology that provides the industry's first full-functioning USB hub to be integrated into a KVM switch, allowing peripherals to be shared. KVMP™ provides centralized control of both computers and USB peripherals from a single console. KVMP™ switches are platform independent and allow you to access different PCs while maintaining peripheral focus on the original computer.
  Products: Most Desktop KVM Switches

- **Video DynaSync™**

  Video DynaSync™ is a patented ATEN technology that optimizes your KVM viewing experience. By storing the console monitor's EDID, boot-up display problems are eliminated and operation is smoother thanks to the switch's ability to automatically show the correct display resolution when switching between ports. Video DynaSync™ ensures that your ideal video settings are maintained under all operating systems and is compatible with an OS operating system.
  Products: Most KVMP™, KVM and Cable KVM Switches

- **Deskew**

  ATEN's patented automatic delay line synchronizing function corrects the color phase and time errors that can occur when RGB video signals are sent long distances over Cat 5e/6 cables. ATEN's Deskew technology enables you to manually tune the RGB signal settings, ensuring stable, high quality video in both KVM and video extender installations.
  Products: CE775, CE770, CE370 KVM Extender

- **Auto Switch**

  The ATEN US221A / US421A has an Auto Switch function that stores commands sent to the USB peripheral device to be processed on a first-come, first-served basis. This patented technology means that a separate print server is not required in your multifunction printer / USB peripheral installation.
  Products: US221A / US421A USB 2.0 Peripheral Switch

- **Mouse DynaSync™**

  Mouse DynaSync™ is a patented ATEN technology that represents the latest in KVM mouse synchronization. With USB mice and Mouse DynaSync™, your local console mouse movement actually becomes the remote unit's mouse movement. The Mouse DynaSync™ technology automatically locks in the local and remote mouse pointers so that you do not waste time re-synching the two movements.
  Products: CN8000A, CS1708i / CS1716i (as well as various KVM over IP Products)

- **ATEN Exclusive Video Compensation Technology**

  ATEN's patented exclusive video compensation technology permits video signals to be transmitted over long distances with enhanced accuracy. The exclusive new technology improves on the previous design by minimizing inaccuracy from 10 m to only 1 m. This technology not only improves brightness, it also achieves high skew tolerance for our KVM extender products.
  Products: CE350, CE370, CE100, CE770, CE774, CE775

Rack KVM Switches

Rack-mountable KVM switches are designed to meet the needs of moderate to large-sized business installations, streamlining PC and server management while easily accommodating upgrading and expansion. The series offers rack-mountable KVM switches ideal for server rooms, data centers, ISPs and test labs.

- **Flexible Expansion**
  ATEN Rack KVM switches allow you to easily add up to 512 servers to your installation via cascade or daisy-chain topology.

- **Easy Access and Control**
  ATEN Rack KVM Switches provide three convenient methods to access and control all the servers on your installation: Port selection pushbuttons on the switch, hotkey combinations from the keyboard and a menu driven OSD (On Screen Display) system.

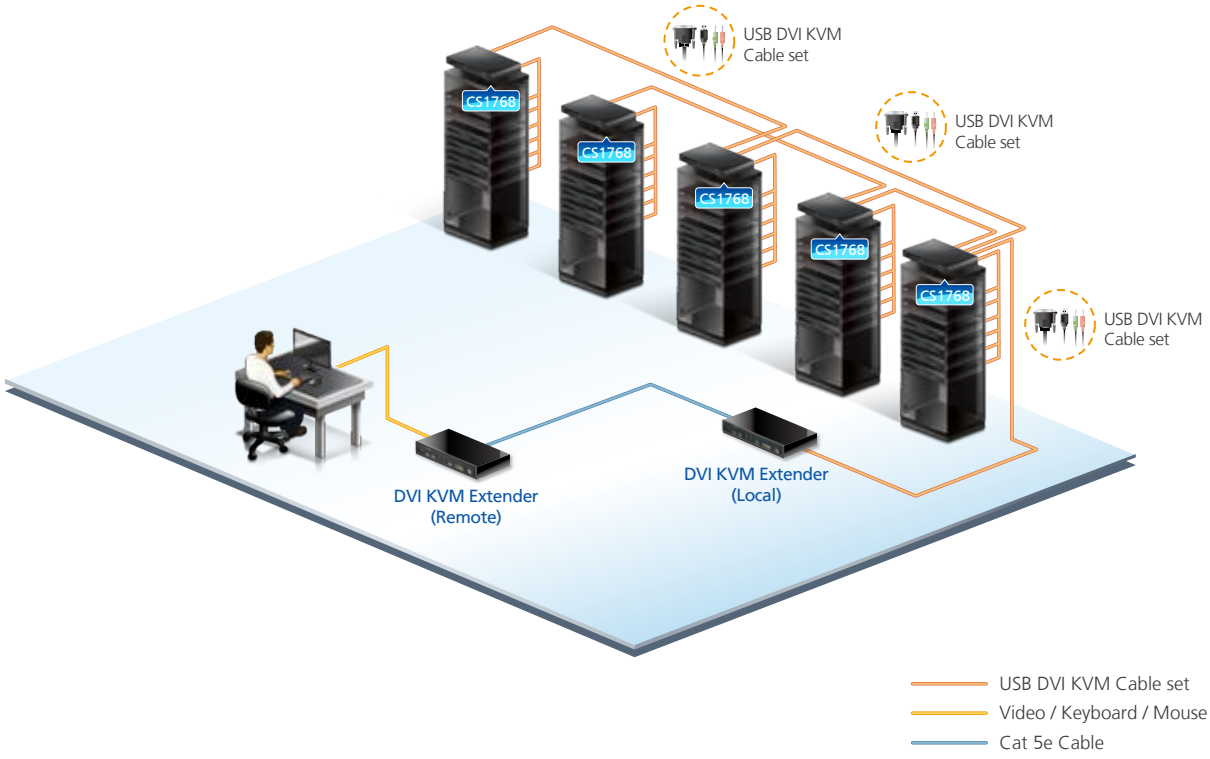
- **Strong Security**
  To prevent unwanted access to your installation, ATEN Rack KVM Switches contain authentication and authorization procedures.

- **Dual Interface – Multi Platform Support**
  ATEN Rack KVM switches support optional custom cables or converters allowing PS/2 and USB interfaces on the same installation. The custom cables support any combination of Windows, Mac, Sun, or Linux systems to coexist and be integrated into the KVM switch management system.

- **Boost Management Efficiency**
  ATEN Rack KVM Switches feature a dynamic Auto Scan function which automatically switches among user selected ports at user-specified intervals – allowing administrators to monitor their status.

- **Video DynaSync™**
  ATEN's exclusive Video DynaSync™ technology automatically detects the horizontal and vertical offset values of the remote screen and synchronizes them with the local screen. As a result, the display resolution will always be correct when switching ports.

Note:
The features highlighted above are not available in all products. Please refer to each product page for more details.
Product information is subject to change without prior notice.


USB DVI KVM
Cable set
USB DVI KVM
Cable set
USB DVI KVM
Cable set
CS1768
CS1768
CS1768
CS1768
CS1768
DVI KVM Extender
(Remote)
DVI KVM Extender
(Local)
USB DVI KVM Cable set
Video / Keyboard / Mouse
Cat 5e Cable

Feature Comparison

Model No.		CS1798	CS17916	CS1788	CS1768	CS1754
Console Connections		1	1	1	1	1
Ports		8	16	8	8	4
Interface	Keyboard, Mouse	USB	USB	USB	USB	PS/2-USB
	Video	HDMI	HDMI	DVI (Dual Link), VGA	DVI, VGA	VGA
Expansion		512 (Cascade)	256 (Cascade)	512 (Cascade)	512 (Cascade)	64 (Cascade)
Platform Support		Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun
Audio		•	•	•	•	•
USB Peripheral Port		•	•	•	•	N/A
Video DynaSync™		•	•	•	•	N/A
Port Selection		OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton

Model No.		CS1758	CS1308	CS1316	CS1708A	CS1716A
Console Connections		1	1	1	1	1
Ports		8	8	16	8	16
Interface	Keyboard,Mouse	PS/2-USB	PS/2-USB	PS/2-USB	PS/2-USB	PS/2-USB
	Video	VGA	VGA	VGA	VGA	VGA
Expansion		512 (Cascade)	64 (Cascade)	256 (Cascade)	256 (Daisy-chain)	512 (Daisy-chain)
Platform Support		Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun
Audio		•	N/A	N/A	N/A	N/A
USB Peripheral Port		N/A	N/A	N/A	•	•
Video DynaSync™		N/A	•	•	•	•
Port Selection		OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton

Model No.		ACS1216A	CS9134	CS9138	CS228	CS428
Console Connections		1	1	1	2	4
Ports		16	4	8	8	8
Interface	Keyboard, Mouse	PS/2	PS/2	PS/2	PS/2	PS/2
	Video	VGA	VGA	VGA	VGA	VGA
Expansion		512 (Daisy-chain)	64 (Cascade)	512 (Cascade)	64 (Cascade)	64 (Cascade)
Platform Support		Windows, Linux	Windows, Linux	Windows, Linux	Windows, Linux	Windows, Linux
Audio		N/A	N/A	N/A	•	•
USB Peripheral Port		N/A	N/A	N/A	N/A	N/A
Video DynaSync™		N/A	N/A	N/A	N/A	N/A
Port Selection		OSD, Hotkey	OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton	OSD	OSD

CS1798 / CS17916

8 / 16-Port USB HDMI/Audio KVM Switch

Console USB, HDMI | Computers USB, HDMI | Expansion Cascade | Audio Speaker | USB 2.0 Peripherals | VDS Video DynaSync

Front

- CS1798

- CS17916

Rear

- CS1798

- CS17916

Included Accessories

	CS1798	CS17916
Mounting Kit	•	•
Custom USB HDMI KVM Cable Sets	2	2
Firmware Upgrade Cable	•	•
Power Adapter	•	•

Optional Accessories

Type	Part No. / Spec.	Page No.
USB HDMI KVM Cables	2L-7D02UH (1.8 m)	12-3 R
LockPro - HDMI Cable Lock	2X-EA12	12-3

Features

- Cascadable to three levels – control up to 512 computers (CS1798)*; or two levels – up to 256 computers (CS17916)
- Multi-Display feature – stack up to 8 CS1798 / CS17916 units and display video from up to 8 monitors (dual display / triple display / quad display / multi-display)
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching between ports
- Audio enabled – full bass response provides a rich experience for 2.1 channel surround sound systems
- Two-level (administrator / user) password authorization for enhanced security protection
- Multilingual OSD supports English, French, German, Japanese, Russian, Simplified Chinese, Spanish and Traditional Chinese
- Broadcast mode – operations simultaneously performed on all selected computers, software installation and upgrading, system wide shutdown, etc.
- Independent switching of KVM and USB focus**
- OSD Backup / Restore feature – enables the administrator to back up the switch's configuration and user profile information
- Console audio port on front panel for easy access
- Auto Scan Mode for monitoring all computers
- Console mouse port emulation / bypass feature supports most mouse drivers and multifunction mice
- Complete keyboard emulation for error-free booting
- Mac / Sun keyboard support and emulation***
- Multilingual keyboard mapping – supports English (US), English (UK), French, German, German (Swiss), Hungarian, Italian, Japanese, Korean, Russian, Simplified Chinese, Spanish, Swedish and Traditional Chinese

Note:

* CS1798 cascade to CS1798 only
** Enable mouse emulation for independent switching
*** For PC compatible computers. Mac and Sun computers must be compatible with USB connections. PC keyboard combinations emulate Mac / Sun keyboards; Mac / Sun keyboards work only with their own computers

Specifications

Function		CS1798	CS17916
Console Connections		1	1
Ports		8	16
Expansion		512 (Cascade)	256 (Cascade)
Interface	Console	USB, HDMI	
	Computer	USB, HDMI	
Platform Support	Windows, Linux	•	•
	Mac, Sun	•*	•*
Port Selection		OSD, Hotkey, Pushbutton	
Audio		Speaker	
Emulation		USB	
Video Resolution		1080P / 1920 x 1200	
Wide Screen Support		•	•
Video DynaSync™		•	•
Firmware Upgradable		•	•
USB 2.0 Peripheral		2 (Type A)	2 (Type A)
Scan Interval (Sec.)		1-255	
Power Consumption		DC 5.0V, 12.0W	DC 5.0V, 12.2W
Environment	Operation Temp.	0-50˚C	
	Storage Temp.	-20-60˚C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	3.49 kg	3.86 kg
	Dimensions (L x W x H)	43.24 x 25.72 x 4.40 cm	43.24 x 25.72 x 4.40 cm
Carton Lot		3 pcs	3 pcs

Note:
* Built-in support

CS1788

8-Port USB DVI Dual Link/Audio KVM Switch

Dual Link

Console VGA, DVI | Console USB | DVI | Expansion Cascade | Audio Mic. & Speaker | USB 2.0 Peripherals | VDS Video DynaSync

Front

Rear

Specifications

Function		CS1788
Console Connections		1
Ports		8
Expansion		512 (Cascade)
Interface	Console	USB, DVI (Dual Link), HDB-15
	Computer	USB, DVI-I (Dual Link)
Platform Support	Windows, Linux	•
	Mac, Sun	•*
Port Selection		OSD, Hotkey, Pushbutton
Audio		Speaker, Microphone
Emulation		USB
Video Resolution		DVI Dual Link: 2560 x 1600, VGA: 2048 x 1536
Wide Screen Support		•
Video DynaSync™		•
Firmware Upgradable		•
USB 2.0 Peripheral		2 (Type A)
Scan Interval (Sec.)		1-255
Power Consumption		DC 5.3V, 6.47W
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	2.80 kg
	Dimensions (L x W x H)	43.72 x 16.12 x 4.40 cm
Carton Lot		3 pcs

Note:
* Built-in support

Features

- Cascadable up to three levels – control up to 512 computers
- Multi-view feature – stack up to four CS1788 units and display video from up to four monitors (dual view / triple view / quad view)
- OSD backup / restore feature
- Two-level (administrator / user) password authorization for enhanced security protection
- Multilingual OSD supports English, French, German, Japanese, Russian, Simplified Chinese, Spanish and Traditional Chinese
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching between ports
- Broadcast mode – operations simultaneously performed on all selected computers, software installation and upgrading, system wide shutdown, etc.
- Console audio ports on front panel for easy access – ideal for IP phones
- Supports DVI digital and analog monitors
- HDCP compatible
- Independent switching of KVM and USB focus
- Console mouse port emulation / bypass feature supports most mouse drivers and multifunction mice
- Multilingual keyboard mapping – supports English (US), English (UK), French, German, German (Swiss), Hungarian, Italian, Japanese, Korean, Russian, Simplified Chinese, Spanish, Swedish and Traditional Chinese
- Rack-mountable in 19" system rack
- Supports keyboard combinations via emulation (for Sun / Mac)

Included Accessories

	CS1788
USB DVI-D Dual Link KVM Cables	2
Firmware Upgrade Cable	•
Mounting Kit	•
Power Adapter	•

Optional Accessories

Type	Part No. / Spec.	Page No.
USB DVI-D Single Link KVM Cables	2L-7D02U (1.8 m), 2L-7D03U (3 m), 2L-7D05U (5 m)	12-3 O
USB DVI-I Single Link KVM Cables	2L-7D02UI (1.8 m), 2L-7D03UI (3 m)	12-3 O
USB DVI-D Dual Link KVM Cables	2L-7D02UD (1.8 m), 2L-7D03UD (3 m), 2L-7D05UD (5 m)	12-3 P

CS1768

8-Port USB DVI/Audio KVM Switch

Console VGA, DVI | Console USB | DVI | Expansion Cascade | Audio Mic. & Speaker | USB 2.0 Peripherals | VDS Video DynaSync

Front

Rear

Specifications

Function		CS1768
Console Connections		1
Ports		8
Expansion		512 (Cascade)
Interface	Console	USB, DVI, HDB-15
	Computer	USB, DVI-I
Platform Support	Windows, Linux	•
	Mac, Sun	•*
Port Selection		OSD, Hotkey, Pushbutton
Audio		Speaker, Microphone
Emulation		USB
Video Resolution		DVI: 1920 x 1200, VGA: 2048 x 1536
Wide Screen Support		•
Video DynaSync™		•
Firmware Upgradable		•
USB 2.0 Peripheral		2 (Type A)
Scan Interval (Sec.)		1-255
Power Consumption		DC 5.3V, 6.36W
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	2.80 kg
	Dimensions (L x W x H)	43.72 x 16.12 x 4.40 cm
Carton Lot		3 pcs

Note:
* Built-in support

Features

- Cascadable up to three levels – control up to 512 computers
- Multiview mode – stack up to four CS1768 units and display video from up to four monitors (dual view / triple view / quad view)
- OSD backup / restore feature
- Two-level (administrator / user) password authorization for enhanced security protection
- Multilingual OSD supports English, French, German, Japanese, Russian, Simplified Chinese, Spanish and Traditional Chinese
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching between ports
- Broadcast mode – operations simultaneously performed on all selected computers, software installation and upgrading, system wide shutdown, etc.
- Console audio ports on front panel for easy access – ideal for IP phones
- Supports DVI digital and analog monitors
- HDCP compatible
- Independent switching of KVM and USB focus
- Console mouse port emulation / bypass feature supports most mouse drivers and multifunction mice
- Multilingual keyboard mapping – supports English (US), English (UK), French, German, German (Swiss), Hungarian, Italian, Japanese, Korean, Russian, Simplified Chinese, Spanish, Swedish and Traditional Chinese
- Rack-mountable in 19" system rack
- Supports keyboard combinations via emulation (for Sun / Mac)

Included Accessories

	CS1768
USB DVI-D Single Link KVM Cables	2
Firmware Upgrade Cable	•
Mounting Kit	•
Power Adapter	•

Optional Accessories

Type	Part No. / Spec.	Page No.
USB DVI-D Single Link KVM Cables	2L-7D02U (1.8 m), 2L-7D03U (3 m), 2L-7D05U (5 m)	12-3 O
USB DVI-I Single Link KVM Cable	2L-7D02UI (1.8 m), 2L-7D03UI (3 m)	12-3 O

CS1754 / CS1758

4 / 8-Port PS/2-USB VGA/Audio KVM Switch

Rack-Mountable PS/2 & USB Switch + Audio

Front

- CS1754

- CS1758

Rear

- CS1754

- CS1758

Features

- Cascadable up to 3 levels – control up to 64 / 512 computers
- Dual interface – supports computers with PS/2 or USB keyboards and mice
- Auto PS/2 and USB interface detection
- Buzzer on/off via hotkey and OSD
- ATEN USB ASIC inside
- Special design for easy stacking
- Rack-mountable in 19" system rack

Specifications

Function		CS1754	CS1758
Console Connections		1	1
Ports		4	8
Expansion		64 (Cascade)	512 (Cascade)
Interface	Console	USB, HDB-15	
	Computer	PS/2 or USB, HDB-15 (SPHD)	
Platform Support	Windows, Linux	•	•
	Mac, Sun	•*	•*
Port Selection		OSD, Hotkey, Pushbutton	
Audio		Speaker, Microphone	
Emulation		PS/2, USB	
Video Resolution		2048 x 1536; DDC2B	
Firmware Upgradable		•	•
USB Peripheral		N/A	N/A
Scan Interval (Sec.)		1-255	
Power Consumption		DC 5V, 2.75W	DC 5V, 3.4W
Environment	Operation Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	2.64 kg	2.72 kg
	Dimensions (L x W x H)	43.72 x 16.10 x 4.40 cm	43.72 x 16.10 x 4.40 cm
Carton Lot		3 pcs	3 pcs

Note:
* Built-in support

Included Accessories

	CS1754 / CS1758
Firmware Upgrade Cable	•
Mounting Kit	•
Power Adapter	•

Optional Accessories

Type	Part No. / Spec.	Page No.
PS/2 KVM Cables	2L-5301P (1.2 m), 2L-5302P (1.8 m), 2L-5303P (3 m), 2L-5305P (5 m)	12-2 M
USB KVM Cables	2L-5301U (1.2 m), 2L-5302U (1.8 m), 2L-5303U (3 m), 2L-5305U (5 m)	12-2 L

CS1308 / CS1316

8 / 16-Port PS/2-USB VGA KVM Switch

Hot Selling

Console SPHD PS/2, USB | Computers SPHD PS/2, USB | Expansion Cascade | Multifunction mice | VDS Video DynaSync

Front

• CS1308

• CS1316

Rear

• CS1308

• CS1316

Features

- Cascadable up to 2 levels – control up to 64 / 256 computers
- Broadcast mode – operations simultaneously performed on all selected computers, software installation and upgrading, system wide shutdown, etc.
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching between ports
- Dual interface – supports computers with PS/2 or USB keyboards and mice
- Auto PS/2 and USB interface detection
- Buzzer on/off via hotkey and OSD
- Rack-mountable in 19" system rack

Specifications

Function		CS1308	CS1316
Console Connections		1	1
Ports		8	16
Expansion		64 (Cascade)	256 (Cascade)
Interface	Console	PS/2 or USB, HDB-15 (SPHD)	
	Computer	PS/2 or USB, HDB-15 (SPHD)	
Platform Support	Windows, Linux	•	•
	Mac, Sun	•*	•*
Port Selection		OSD, Hotkey, Pushbutton	
Audio		N/A	N/A
Emulation		PS/2, USB	
Video Resolution		2048 x 1536; DDC2B	
Video DynaSync™		•	•
Firmware Upgradable		•	•
USB Peripheral		N/A	N/A
Scan Interval (Sec.)		1-255	
Power Consumption		DC 5.3V, 5W	DC 5.3V, 6.6W
Environment	Operation Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	1.89 kg	2.10 kg
	Dimensions (L x W x H)	43.72 x 16.13 x 4.40 cm	43.72 x 16.13 x 4.40 cm
Carton Lot		3 pcs	3 pcs

Note:
* Built-in support

Included Accessories

	CS1308 / CS1316
Console Cable	•
Firmware Upgrade Cable	•
Mounting Kit	•
Power Adapter	•

Optional Accessories

Type	Part No. / Spec.	Page No.
PS/2 KVM Cables	2L-5201P (1.2 m), 2L-5202P / 2L-5702P (1.8 m), 2L-5203P (3 m), 2L-5206P (6 m)	12-1 C, D
USB KVM Cables	2L-5201U (1.2 m), 2L-5202U (1.8 m), 2L-5203U (3 m), 2L-5205U (5 m)	12-2 N

CS1708A / CS1716A

8 / 16-Port PS/2-USB VGA KVM Switch with Daisy-Chain Port and USB Peripheral Support

Rack-Mountable PS/2 & USB KVM Switch with USB Peripheral Port

Console PS/2, USB | Computers PS/2, USB | USB Peripherals | Expansion Daisy Chain | Multifunction mice | VDS Video DynaSync

Front

• CS1708A

• CS1716A

Rear

• CS1708A

• CS1716A

Specifications

Function		CS1708A	CS1716A
Console Connections		1	1
Ports		8	16
Expansion		256 (Daisy-chain)	512 (Daisy-chain)
Interface	Console	PS/2 or USB, HDB-15 (SPHD)	
	Computer	PS/2 or USB, HDB-15 (SPHD)	
Platform Support	Windows, Linux	•	•
	Mac, Sun	•*	•*
Port Selection		OSD, Hotkey, Pushbutton	
Emulation		PS/2, USB	
Video Resolution		2048 x 1536; DDC2B	
Video DynaSync™		•	•
Firmware Upgradable		•	•
USB Peripheral		1 (Type A)	
Scan Interval (Sec.)		1-255	
Power Consumption		DC 5.3V, 5W	DC 5.3V, 6.6W
Environment	Operation Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	2.66 kg	2.85 kg
	Dimensions (L x W x H)	43.72 x 15.99 x 4.40 cm	43.72 x 15.99 x 4.40 cm
Carton Lot		3 pcs	3 pcs

Note:
* Built-in support

Features

- Daisy-chain up to 31 additional units – control up to 256 / 512 computers from a single console
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching between ports
- Auto-senses station's position on daisy-chained installations; no need for manual DIP switch setting; front panel LED indicates station's position
- Broadcast mode – operations simultaneously performed on all selected computers, software installation and upgrading, system wide shutdown, etc.
- Front accessible USB port allows each computer to access USB peripherals
- Auto PS/2 and USB interface detection
- Dual Interface – supports computers and consoles with PS/2 or USB keyboards and mice
- Buzzer on/off via hotkey and OSD
- Rack-mountable in 19" system rack

Included Accessories

	CS1708A / CS1716A
USB KVM Cable	•
PS/2 KVM Cable	•
Console Cable	•
Firmware Upgrade Cable	•
Mounting Kit	•
Power Adapter	•

Optional Accessories

Type	Part No. / Spec.	Page No.
PS/2 KVM Cables	2L-5201U (1.2 m), 2L-5202U (1.8 m), 2L-5203U (3 m), 2L-5205U (5 m) 2L-5201P (1.2 m), 2L-5202P / 2L-5702P (1.8 m), 2L-5203P (3 m), 2L-5206P (6 m)	12-1 C, D
USB KVM Cables	2L-5201U (1.2 m), 2L-5202U (1.8 m), 2L-5203U (3 m), 2L-5205U (5 m)	12-2 N
Daisy-chain Cables	2L-1700 (0.6 m), 2L-1701 (1.8 m), 2L-1703 (3 m), 2L-1705 (5 m), 2L-1715 (15 m)	12-3 S

ACS1216A

16-Port PS/2 VGA KVM Switch with Daisy-Chain Port

Front

Rear

Features

- Daisy-chain up to 31 additional units – control up to 512 computers from a single console
- Broadcast mode – operations simultaneously performed on all selected computers, software installation and upgrading, system wide shutdown, etc.
- Firmware upgrades to all chained KVM switches simultaneously via daisy-chain cable
- Auto-senses station's position on daisy-chained installations; no need for manual DIP switch setting; front panel LED indicates station's position
- Rack-mountable in 19" system rack

Specifications

Function		ACS1216A
Console Connections		1
Ports		16
Expansion		512 (Daisy-chain)
Interface	Console	PS/2, HDB-15
	Computer	PS/2, HDB-15 (SPHD)
Platform Support	Windows, Linux	•
	Mac, Sun	•*
Port Selection		OSD, Hotkey
Audio		N/A
Emulation		
Video Resolution		2048 x 1536; DDC2B
Firmware Upgradable		•
USB Peripheral		N/A
Scan Interval (Sec.)		1-255
Power Consumption		DC 9V, 8W
Environment	Operation Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	2.96 kg
	Dimensions (L x W x H)	43.72 x 15.92 x 4.40 cm
Carton Lot		3 pcs

Note:
* Requires Converter / Cable

Included Accessories

	ACS1216A
PS/2 KVM Cable	•
Firmware Upgrade Cable	•
Mounting Kit	•
Power Adapter	•

Optional Accessories

Type	Part No. / Spec.	Page No.
PS/2 KVM Cables	2L-5201P (1.2 m), 2L-5202P / 2L-5702P (1.8 m), 2L-5203P (3 m), 2L-5206P (6 m)	12-1 C, D
Daisy-chain Cables	2L-1700 (0.6 m), 2L-1701 (1.8 m), 2L-1703 (3 m), 2L-1705 (5 m), 2L-1715 (15 m)	12-3 S
Cables & Converters for USB Interface Support	2L-5202UP (1.8 m), 2L-5203UP (3 m), 2L-5205UP (5 m), 2L-5206UP (6 m) Supports Mac Keyboards Emulation: UC100KMA Supports Sun Keyboards Emulation: CV131A	12-1 E 9-3

CS9134 / CS9138

4 / 8-Port PS/2 VGA KVM Switch

TAIWAN EXCELLENCE

Console PS/2 | Computers PS/2 | Expansion Cascade | USB Sun USB, Sun Friendly

Front

• CS9134

• CS9138

Rear

• CS9134

• CS9138

Features

- Cascadable up to 3 levels – control up to 64 / 512 computers
- PS/2 Keyboard and mouse emulation for error-free booting
- Supports Microsoft IntelliMouse, Logitech MouseMan, FirstMouse, IBM Scrollpoint Mouse
- OSD automatically adjusts to resolution changes
- Auto Scan function to monitor computer operation
- Special design for easy stacking
- Rack-mountable in 19" system rack

Specifications

Function		CS9134	CS9138
Console Connections		1	1
Ports		4	8
Expansion		64 (Cascade)	512 (Cascade)
Interface	Console	PS/2, HDB-15	
	Computer	PS/2, HDB-15	
Platform Support	Windows, Linux	•	•
	Mac, Sun	•*	•*
Port Selection		OSD, Hotkey, Pushbutton	
Audio		N/A	N/A
Emulation		PS/2	PS/2
Video Resolution		1920 x 1440; DDC2B	
Firmware Upgradable		N/A	N/A
USB Peripheral		N/A	N/A
Scan Interval (Sec.)		3, 5, 10, 15, 20, 30, 40, 60	
Power Consumption		DC 9V, 0.9W	DC 9V, 1.08W
Environment	Operation Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	2.55 kg	2.85 kg
	Dimensions (L x W x H)	43.72 x 16.29 x 4.40 cm	43.72 x 16.29 x 4.40 cm
Carton Lot		3 pcs	3 pcs

Note:
* Requires Converter / Cable

Included Accessories

	CS9134 / CS9138
Mounting Kit	•
Power Adapter	•

Optional Accessories

Type	Part No. / Spec.	Page No.
PS/2 KVM Cables	2L-1001P/C (1.8 m), 2L-1003P/C (3 m), 2L-1005P/C (5 m), 2L-1006P/C (6 m), 2L-1010P/C (10 m), 2L-1020P/C (20 m), 2L-5001P/C (1.2 m), 2L-5002P/C (1.8 m), 2L-5003P/C (3 m), 2L-5005P/C (5 m)	12-1 A
Cables & Converters for USB Interface Support	2L-5502UP (1.8 m), 2L-5503UP (3 m), 2L-5506UP (6 m) Supports Mac Keyboards Emulation: UC100KMA Supports Sun Keyboards Emulation: CV131B	12-1 B 9-3 9-4

CS228 / CS428

2 / 4-Console 8-Port PS/2 VGA/Audio KVM Switch

Economical Multi-User KVM Switch + Audio

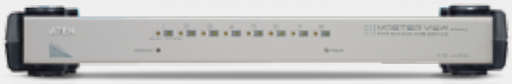
Simultaneous Access: 2 / 4 Users
Console: PS/2
Console: PS/2
Computers: PS/2
Expansion: Cascade
Audio: Mic. & Speaker

* CS428 Console 3, 4

Front

• CS228

• CS428



Rear

• CS228

• CS428

Features

- 2 / 4 PS/2 multi-consoles control 8 computers independently or on a multi-user shared basis
- Up to four users can operate up to 64 computers (via cascade to CS9138*) at the same time
- Two-level (administrator / user) password authorization for enhanced security protection
- Each console has its own access control
- Supports Microsoft IntelliMouse, Logitech MouseMan, FirstMouse, IBM Scrollpoint Mouse
- OSD automatically adjusts to resolution changes
- Auto Scan function to monitor computer operation
- Special design for easy stacking
- Rack-mountable in 19" system rack

Note:
* CS9138 does not support audio features of audio enabled KVM switches

Specifications

Function		CS228	CS428
Console Connections		2	4
Ports		8	8
Expansion		64 (Cascade)	64 (Cascade)
Interface	Console	PS/2, HDB-15	PS/2, HDB-15, DB-25
	Computer	PS/2, HDB-15(DB-25)	
Platform Support	Windows, Linux	•	•
	Mac, Sun	N/A	N/A
Port Selection		OSD	OSD
Audio		Speaker, Microphone	
Emulation		PS/2	
Video Resolution		1920 x 1440; DDC2B	
Firmware Upgradable		N/A	N/A
USB Peripheral		N/A	N/A
Scan Interval (Sec.)		3,5,10,15,20,30,40,60	
Power Consumption		DC 9V, 6.3W	DC 9V, 7.2W
Environment	Operation Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	2.70 kg	4.20 kg
	Dimensions (L x W x H)	43.72 x 15.76 x 4.40 cm	43.72 x 25.90 x 4.40 cm
Carton Lot		3 pcs	3 pcs

Included Accessories

	CS228 / CS428
Console cables for Console 3,4	2 (CS428)
Mounting Kit	•
Power Adapter	•

Optional Accessories

Type	Part No. / Spec.	Page No.
PS/2 KVM Cables	2L-1701P (1.8 m), 2L-1703P (3 m), 2L-1705P (5 m), 2L-1710P (10 m)	12-2 I
Console Cable	2L-1701S (1.1 m)	12-2 J

KVM over IP

CN8000A – Provides over IP Capability for KVM Switches

The CN8000A is our most cost effective over IP solution and is perfect for the small racks in the data centers without built-in IP functionality.

CS1708I / CS1716I – All-in-One over IP Server Management Solution

The CS1708I / CS1716I KVM switches are IP-based KVM control units that allow both local and remote users to monitor and access multiple computers from a single console.

- **Remote Desktop Scaling**
  KVM over IP switches allow administrators to view the installation's servers video output from remote locations either full-screen or in a flexible scaled window.

- **Unrestricted Language Input**
  The KVM over IP switches support an on-screen keyboard available in multiple languages.

- **Powerful Security Alternatives**
  KVM over IP switches support authentication and authorization management from third party authentication services – e.g. RADIUS, LDAP, LDAPS and MS Active Directory.

- **Serial Console Management**
  CN8000A KVM over IP switch provides serial console management such as serial terminal access and out-of-band support. Serial terminal access can be accomplished either with the switch's built-in serial viewer, or via third-party software (such as PuTTY) for Telnet and SSH sessions.

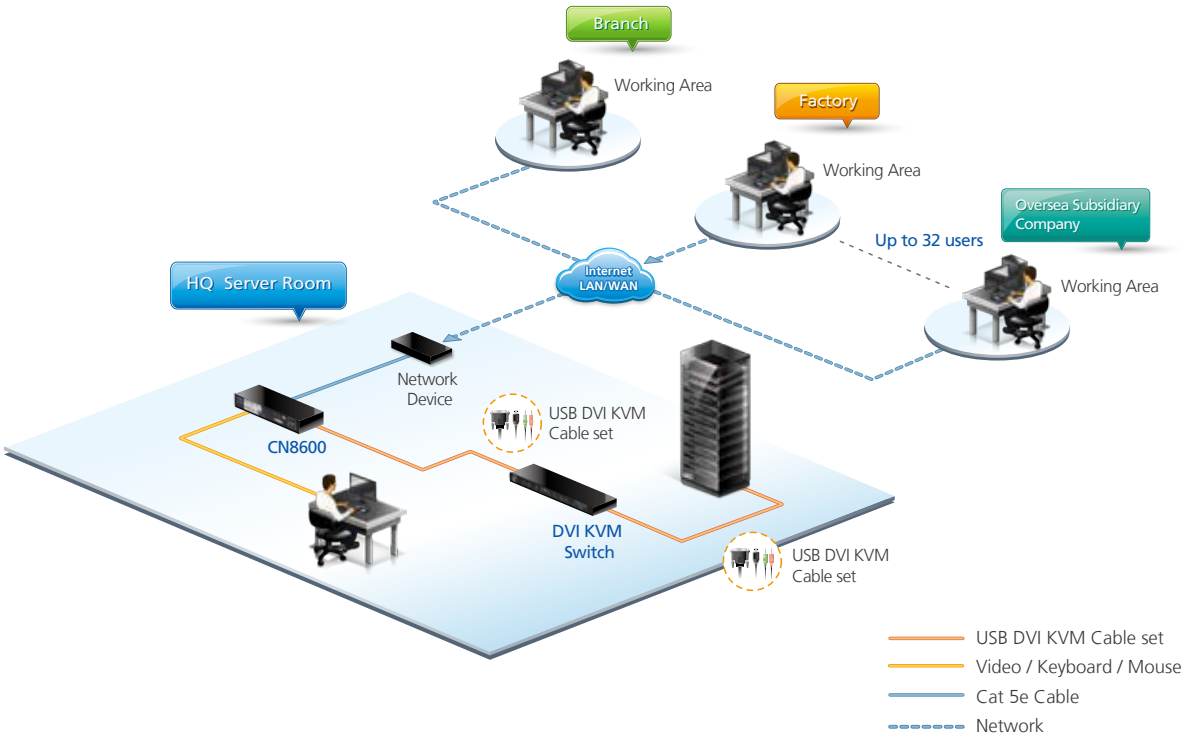
- **Centralized Server Monitoring**
  The switch's Panel Array Mode™ allows administrators to display the video output of up to 16 servers on their monitors simultaneously, while a convenient Auto Scan feature permits automatic switching from port to port at user specified intervals.

- **Mouse DynaSync™**
  The Mouse DynaSync™ function provides automatic locked in synchronizing for the remote and local mouse pointers – resulting in perfect mouse alignment regardless of the mouse acceleration settings on the server and eliminating the need for synchronizing time between the two mice.

- **Centralized Real-Time Updating and Maintenance**
  Virtual Media support allows users to map DVD / CD-ROMs and other storage media to a remote server. Performing firmware upgrades, diagnostic tests, file transfers, and installing OS and application patches can all be accomplished smoothly and quickly across the installation from a single console located anywhere in the world.

- **Message Board**
  The Message Board function is similar to an internet chat room and it allows administrators to share management information and resolve port access conflicts.

Note:
The features highlighted above are not available in all products. Please refer to each product page for more details.
Product information is subject to change without prior notice.



Feature Comparison

Model No.		CN8000 / CN8000A	CN8600	IP8000	CS1708I / CS1716I
Type		KVM over IP	KVM over IP	KVM over IP / PCI Card	KVM over IP
Computer Connections	Direct	1	1	1	8 / 16
	Max.	1	1	1	128 / 256
Interface	Video	VGA	DVI-D	VGA	VGA
Bus Sessions	Local/Remote	1	1	1	1
Local Console		PS/2, USB	USB	USB	PS/2, USB
Mouse DynaSync™		•	•	N/A	•
Virtual Media		•	•	•	N/A
Panel Array Mode		N/A	N/A	N/A	•
Smart Card Reader		•	•	N/A	N/A
IPv6		•	•	N/A	•

CN8000 / CN8000A

1-Local/Remote Share Access
Single Port VGA KVM over IP Switch

IP Ready TCP/IP | Remote UI Browser | Shared Access 1 Local User 1 Remote IP User | Console SPHD PS/2, USB | Computers SPHD PS/2, USB | Virtual Media

Front

• CN8000A

• CN8000

Rear

• CN8000A

• CN8000

Specifications

Function		CN8000 / CN8000A
Computer Connections	Direct	1
	Max.	1
Bus Sessions	Local/Remote	1
Interface	Video	VGA
Local Console		PS/2, USB
Concurrent Access		32
User Accounts		64
Share Mode Support		•
External Authentication Support		RADIUS, LDAP, LDAPS, MS Active Directory
Virtual Media		•
Serial Console Management		•
External PON		•
External Modem Support		•
On-Screen Keyboard Support		•
Mouse DynaSync™		•
Remote Desktop Scaling		•
Video Resolution		1600 x 1200 @ 60Hz (CN8000) 1920 x 1200 @ 60Hz (CN8000A)
Power Consumption		DC 5.3V, 6.3W (CN8000) DC 5.3V, 7.26W (CN8000A)
Environment	Operation Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	0.49 kg
	Dimensions (L x W x H)	20.20 x 8.64 x 2.50 cm (CN8000) 20.20 x 8.14 x 2.50 cm (CN8000A)
Carton Lot		5 pcs

Features

- High video resolution – up to 1920 x 1200 @ 60 Hz*
- Laptop USB Console (LUC) – A dedicated USB port directly connects to laptop for easy console operation*
- Easy configuration through local console OSD*
- Message board – convenient communication for remote users
- Serial console management – access server via built-in serial viewer or third party software (such as PUTTY) for Telnet and SSH sessions
- Exit macro support
- Integration with ATEN CC2000 Centralized Management Software
- Provides over IP capability to KVM switches without over IP functionality
- Critical system events sent by email and SNMP trap; Syslog support
- Local console, browser-based and AP GUIs offer a unified multilingual interface for easy and convenient use
- Browser-based UI in pure web technology allows administrators to perform administrative tasks without a pre-installed Java software package required
- Supports TLS 1.2 data encryption and RSA 2048-bit certificates for secure users logging in from browsers

Included Accessories

	CN8000 / CN8000A
Custom KVM Cable	•
Custom Console Cable	•
Laptop USB Console Cable	• (CN8000A)
Virtual Media Cable	• (CN8000)
Power Adapter	•
Mounting Kit	•

Optional Accessories

Type	Part No. / Spec.	Page No.
USB KVM Cables	2L-5201U (1.2 m), 2L-5202U (1.8 m), 2L-5203U (3 m), 2L-5205U (5 m)	12-2 N
PS/2 KVM Cables	2L-5201P (1.2 m), 2L-5202P / 2L-5702P (1.8 m), 2L-5203P (3 m), 2L-5206P (6 m)	12-1 C, D
PS/2-USB KVM Cables*	2L-5301UP (1.2 m), 2L-5302UP (1.8 m)	12-2 G

Note:
* Advanced features for CN8000A

CN8600

1-Local/Remote Share Access
Single Port DVI KVM over IP Switch (1920 x 1200)

Front

Rear

Specifications

Function		CN8600
Computer Connections	Direct	1
	Max.	1
Bus Sessions	Local/Remote	1
Interface	Video	DVI-D
Local Console		USB
Concurrent Access		32
User Accounts		64
Share Mode Support		•
External Authentication Support		RADIUS, LDAP, LDAPS, MS Active Directory
Virtual Media		•
Serial Console Management		•
External PON		•
External Modem Support		•
On-Screen Keyboard Support		•
Mouse DynaSync™		•
Remote Desktop Scaling		•
Video Resolution		up to 1920 x 1200 @ 60Hz RB
Power Consumption		DC 5.3V, 6W
Environment	Operation Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	0.88 kg
	Dimensions (L x W x H)	26.00 x 7.64 x 4.20 cm
Carton Lot		5 pcs

Features

- A mini USB port in the rear panel can serve as a Virtual Media USB port or a Laptop USB Console (LUC) port
- Message board – convenient communication for remote users
- Two 10/100/1000 Mbps NICs for redundant LAN or two IP operation
- Dual power supply for power backup
- Enhanced FPS (Frames Per Second) throughput for vivid video quality
- Local/Remote Share Mode conveniently grants shared, occupied or exclusive console privilege
- Console Lock Switch – flexible remote/console access management
- Integration with ATEN CC2000 Centralized Management Software
- Provides over IP capability to DVI KVM switches without over IP functionality*
- Audio support – microphone and speaker ports on the local and remote console
- Access the CN8600 via a built-in serial viewer, or via third-party software (such as PuTTY) for Telnet and SSH sessions
- Supports TLS 1.2 data encryption and RSA 2048-bit certificates for secure users logging in from browsers

Note:
* Compatible KVM Switch: ATEN DVI Single Link KVM Switches

Included Accessories

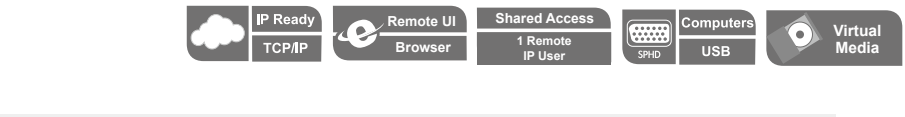
	CN8600
USB DVI-D KVM Cable	•
USB 2.0 Virtual Media Cable	•
Power Adapter	•
Mounting Kit	•

Optional Accessories

Type	Part No. / Spec.	Page No.
USB DVI-D Single Link KVM Cables	2L-7D02U (1.8 m), 2L-7D03U (3 m), 2L-7D05U (5 m)	12-3 O
USB DVI-I Single Link KVM Cables	2L-7D02UI (1.8 m), 2L-7D03UI (3 m)	12-3 O

IP8000

Remote Management PCI Card



Specifications

Function		IP8000
Computer Connections	Direct	1
	Max.	1
Bus Sessions	Local/Remote	1
Interface	Video	VGA
Local Console		USB
Concurrent Access		32
User Accounts		64
Share Mode Support		•
External Authentication Support		RADIUS
Virtual Media		•
Host-side OS Support		Windows, Redhat 7.1 and above, FreeBSD, Novell
Video Resolution		up to 1600 x 1200 @ 60Hz
Power Consumption		DC 5V, 6W
Environment	Operation Temp.	0-50˚C
	Storage Temp.	-20-60˚C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	0.10 kg
	Dimensions (L x W x H)	15.35 x 12.00 x 2.15 cm
Carton Lot		5 pcs

Features

- Standard PCI-sized card provides over IP access and control of a remote server from anywhere in the world
- Remote power control and reset support
- Windows and Java client software for non-browser access – Java client works with all operating systems
- Supports TCP/IP, HTTP, HTTPS, UDP, DHCP, SSL, ARP, DNS, ICMP, CHAP
- Advanced security features include password protection and advanced encryption technologies
- Secure 128-bit SSL encryption; enable/disable browser operation
- Three level authentication – multi-administrators, users, viewers
- Message board – convenient communication for remote users

Included Accessories

	IP8000
USB KVM Cable	•
Feature Cable	•
Software CD	•
Power Adapter	•

CS1708I / CS1716I

1-Local/Remote Share Access
8 / 16-Port PS/2-USB VGA KVM over IP Switch

IP Ready TCP/IP | Remote UI Browser | Shared Access 1 Local User 1 Remote IP User | Console SPHD PS/2, USB | Computers SPHD PS/2, USB | Expansion Daisy Chain | VDS Video DynaSync

Front

• CS1708I

• CS1716I

Rear

• CS1708I

• CS1716I

Features

- Secure keyboard / mouse / video transmission via RC4 128-bit encryption
- TLS 1.2 browser access
- Panel array mode enables user to monitor multiple servers from single screen at the same time
- IPv6 capable
- Message board – convenient communication for remote users
- Adjustable video quality for flexible adaptation to diverse network environments
- Windows client and Java client software support; Java client works with all operating systems
- Front access USB port* allows each computer to access USB peripherals
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching between ports

Note:
* Local console only

Included Accessories

	CS1708I / CS1716I
USB KVM Cable	•
PS/2 KVM Cable	•
Console Cable	•
Firmware Upgrade Cable	•
Power Adapter	•
Mounting Kit	•

Optional Accessories

Type	Part No. / Spec.	Page No.
USB KVM Cables	2L-5201U (1.2 m), 2L-5202U (1.8 m), 2L-5203U (3 m), 2L-5205U (5 m)	12-2 N
PS/2 KVM Cables	2L-5201P (1.2 m), 2L-5202P / 2L-5702P (1.8 m), 2L-5203P (3 m), 2L-5206P (6 m)	12-1 C, D
Daisy-chain Cables	2L-1700 (0.6 m), 2L-1701 (1.8 m), 2L-1703 (3 m), 2L-1705 (5 m), 2L-1715 (15 m)	12-3 S

Specifications

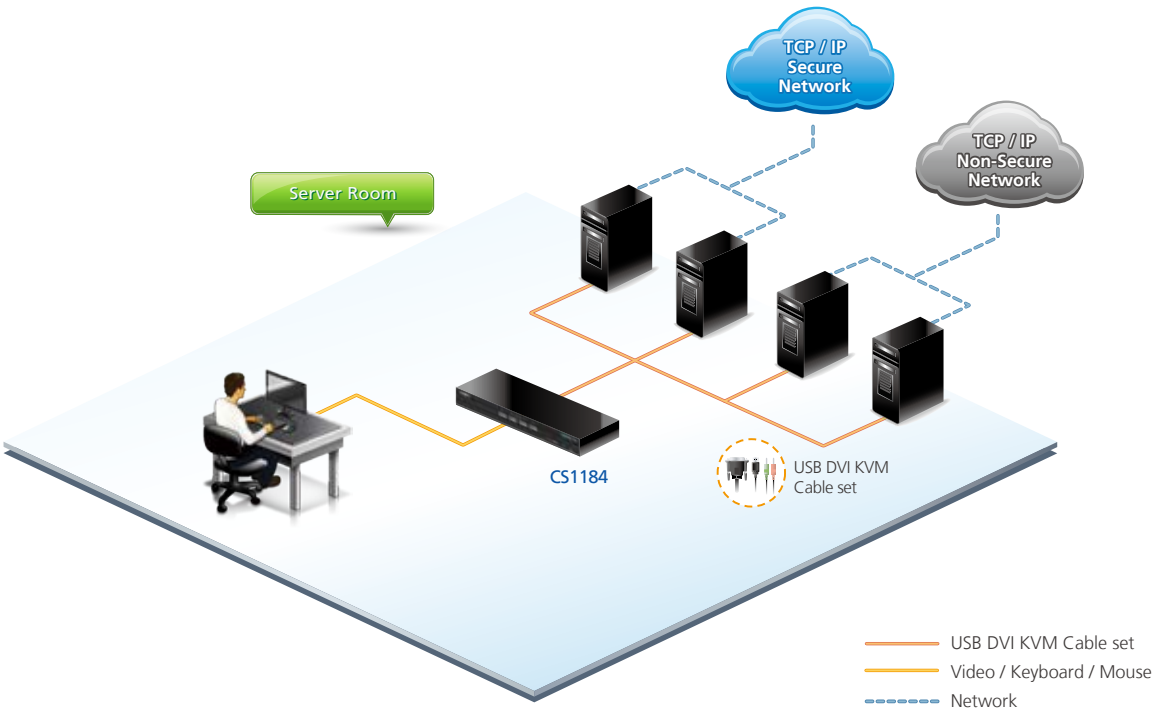
Function		CS1708I	CS1716I
Computer Connections	Direct	8	16
	Max.	128	256
Bus Sessions	Local/Remote	1	1
Interface	Video	VGA	
Local Console		PS/2, USB	
Concurrent Access		32	32
User Accounts		64	64
Expansion		128 (Daisy-chain)	256 (Daisy-chain)
Multiplatform Support		Windows, Mac, Linux, Sun	
Port Selection		Pushbuttons, Hotkeys, Multilingual On-Screen Display (OSD) / GUI*	
Share Mode Support		•	•
Panel Array Mode		•	•
External Authentication Support		RADIUS, LDAP, LDAPS, MS Active Directory	
On-Screen Keyboard Support		•	•
Mouse DynaSync™		•	•
BIOS Level Access		•	•
Video Resolution		Local Console: Up to 2048 x 1536; DDC2B, Remote Sessions: Up to 1600 x 1200 @ 60Hz	
Power Consumption		DC 5.3V , 9.5W	DC 5.3V, 11W
Environment	Operation Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	2.81 kg	3.00 kg
	Dimensions (L x W x H)	43.72 x 15.98 x 4.40 cm	43.72 x 15.98 x 4.40 cm
Carton Lot		3 pcs	3 pcs

Note:
* Remote console only

Secure KVM Switch

ATEN Secure KVM Switches provide excellent support for government and military desktop environments, where security is imperative. The switch provides safe and secure switching between computers on different secure level networks.

Note:
The features highlighted above are not available in all products. Please refer to each product page for more details.
Product information is subject to change without prior notice.



CS1182 / CS1184

2 / 4-Port USB DVI Secure KVM Switch (NIAP Common Criteria Compliant)

Dual Link

NIAP Common Criteria EAL2+ Compliant

Console USB | Computers USB | DVI | Audio Mic. & Speaker | VDS Video DynaSync

Front

- CS1182

- CS1184

Rear

- CS1182

- CS1184

Included Accessories

	CS1182	CS1184
Power Cord	•	•

Optional Accessories

Type	Part No. / Spec.	Page No.
USB DVI-D Dual Link KVM Cables	2L-7D02UD (1.8 m), 2L-7D03UD (3 m), 2L-7D05UD (5 m)	12-3 P
USB DVI-D Single Link KVM Cables	2L-7D02U (1.8 m), 2L-7D03U (3 m), 2L-7D05U (5 m)	12-3 O
USB DVI-I Single Link KVM Cables	2L-7D02UI (1.8 m), 2L-7D03UI (3 m)	12-3 O

NIAP Common Criteria Compliant

- Compliant with PPv2.1 Security Requirements
- Compliant with EAL2+ Security Assurance Level

Multi-Layered Security

- Chassis intrusion detection – renders the CS1182 / CS1184 inoperable when malicious tampering is detected
- Tamper-evident tape – indicates any attempt to physically access the switch's internal components
- Non-reprogrammable ROM – prevents reprogramming the switch's firmware
- Restricted USB connectivity – non-HIDs are ignored when switching

Channel Isolation

- Isolated channel per port – data cannot be transferred between computers

Cleared Keyboard Buffer

- Switch's keyboard data is automatically deleted after it has been transmitted

Features

- 2 / 4-Port USB DVI dual-link secure KVM switch
- Port selection via pushbuttons only (OSD, hotkey methods are not allowed) to enhance security
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching between ports
- Multiplatform support – Windows, Linux, Mac and Sun
- Rugged metal enclosure
- Built-in internal power
- With speaker and microphone support

Specifications

Function				CS1182	CS1184
Console Connections				2	4
Port Selection				Pushbutton	
Connectors	Console Ports	Keyboard		1 x USB Type-A (F)	
		Video		1 x DVI-I Dual Link (F)	
		Mouse		1 x USB Type-A (F)	
		Audio	Speaker	2 x Mini Stereo Jack (F)	
			Microphone	2 x Mini Stereo (F)	
	KVM Ports	Keyboard/Mouse		2 x USB Type-B (F)	4 x USB Type-B (F)
		Video		2 x DVI-I Dual Link (F)	4 x DVI-I Dual Link (F)
		Audio	Speaker	2 x Mini Stereo Jack (F)	4 x Mini Stereo Jack (F)
			Microphone	2 x Mini Stereo Jack (F)	4 x Mini Stereo Jack (F)
	Power			1 x 3-prong AC Socket	
Emulation		Keyboard/Mouse		USB	
Video				DVI Dual Link: 2560 x 1600, DVI Single Link: 1920 x 1200, DVI-A: 2048 x 1536	
Input				100-240VAC, 50/60Hz, 0.5A	
Power Consumption				120V, 5.1W / 230V, 5.1W	120V, 6.1W / 230V, 5.7W
Environment	Operation Temp.			0-40˚C	
	Storage Temp.			-20-60˚C	
	Humidity			0-80% RH, Non-Condensing	
Physical Properties	Housing			Metal	
	Weight			2.06 kg	2.10 kg
	Dimensions (L x W x H)			34.90 x 16.90 x 6.09 cm	34.90 x 16.90 x 6.09 cm
Carton Lot				3 pcs	3 pcs

LCD KVM Switches

The LCD KVM switches offer a space-saving, streamlined approach to KVM switch technology by integrating an TFT-LCD panel, full keyboard and touchpad in a 1U housing. The TFT-LCD display is built into the cover; the keyboard and touchpad are built into the base. Slide the KVM module out, lift the cover up, and you are ready to work.

- **Exclusive LED Illumination Light**

  ATEN's LCD KVM features an LED illumination light, designed to illuminate the keyboard and touchpad in a dark room. The LED illumination light is ON by default as you lift up the LCD and can be switched OFF by pushbutton if needed. The unique design serves to brighten low-light conditions and provide a more flexible working environment.

- **Enhanced Console Control**

  The LCD KVM switches contain a 2nd console to provide administrators with the convenience and flexibility of using a standard keyboard / monitor / mouse console. It also allows two users to share access and control of the servers.

- **Dual Interface – Multi Platform Support**

  The LCD KVM switches support optional custom cables or converters with PS/2 and USB interfaces. The KVM Switches are designed for different OS (Windows, Mac, Sun, or Linux).

- **Space Efficient All-in-One Design**

  ATEN's LCD KVM switches feature a retractable keyboard, LCD monitor and touchpad with an 8 or 16 port KVM switch with 1U housing.

- **Easy Installation Options**

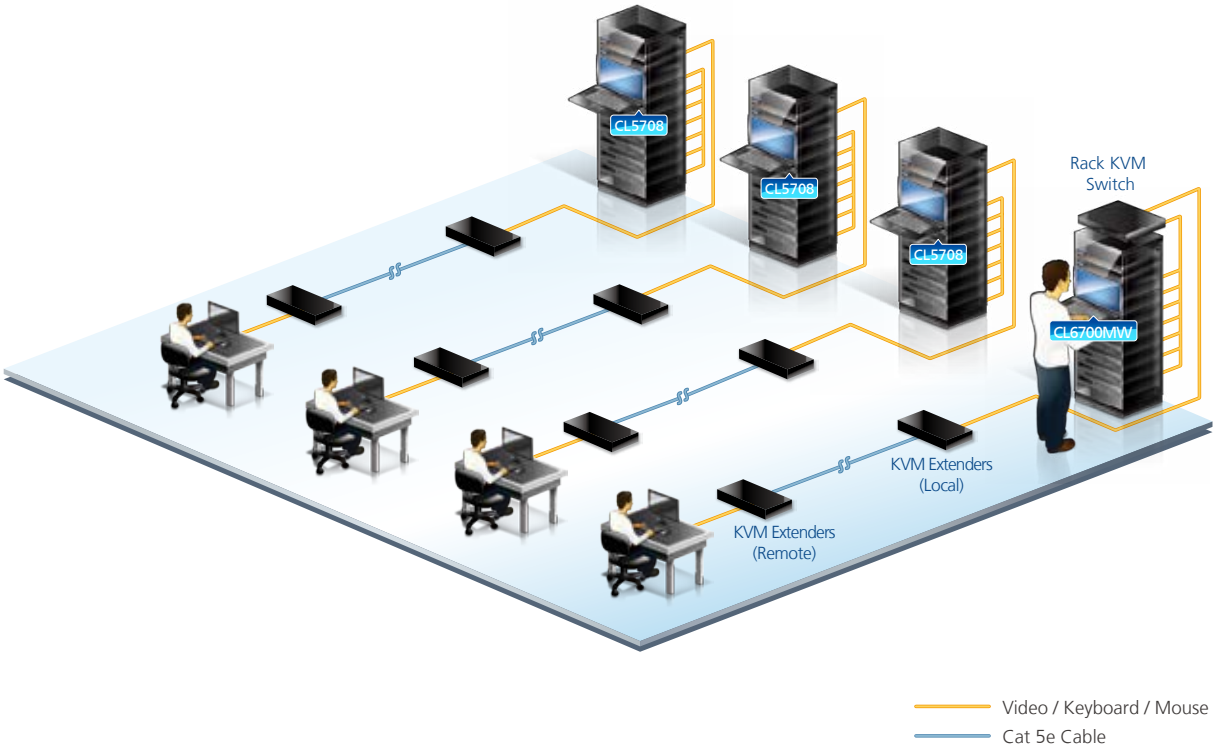
  All LCD KVM switches come with a Standard Rack Mount Kit. Standard Rack Mount installation requires two people. Single Person Easy Installation Rack Mount Kits are available as a separate purchase.

- **Convenient Security via Fingerprint Identification**

  Each user can scan from 1 to 4 of their fingers.

  (Models with Fingerprint Identification Reader Only)

Note:
The features highlighted above are not available in all products. Please refer to each product page for more details.
Product information is subject to change without prior notice.



Feature Comparison

Model No.		CL6700	CL3000	CL5800	CL1000
Backlit		LED	LED	LED	LED
TFT-LCD Size		CL6700MW: 17.3"	CL3000N: 19"	CL5800N: 19"	CL1000M: 17" CL1000N: 19"
Ports		1	1	1	1
Interface	Keyboard, Mouse	USB	PS/2-USB	PS/2-USB	PS/2
	Video	DVI-D, VGA, HDMI	VGA	VGA	VGA
Expansion		N/A	N/A	N/A	N/A
Second Console		USB, DVI-D, HDB-15, HDMI	PS/2, USB, HDB-15	PS/2, USB, HDB-15	N/A
Platform Support		Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux
Single Rail/Dual Rail		Single Rail	Single Rail	Dual Rail	Single Rail
Console Selection		Hotkey	Hotkey	Hotkey	N/A

Model No.		CL6708	CL1308	CL1316
Backlit		LED	LED	LED
TFT-LCD Size		CL6708MW: 17.3"	CL1308N: 19"	CL1316N: 19"
Ports		8	8	16
Interface	Keyboard, Mouse	USB	PS/2-USB	PS/2-USB
	Video	DVI-I	VGA	VGA
Expansion		64 (Cascade)	128 (Cascade)	256 (Cascade)
Second Console		USB, DVI-I	N/A	N/A
Platform Support		Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun
Single Rail/Dual Rail		Single Rail	Single Rail	Single Rail
Port Selection		OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton

Model No.		CL5808	CL5816
Backlit		LED	LED
TFT-LCD Size		CL5808N: 19"	CL5816N: 19"
Ports		8	16
Interface	Keyboard, Mouse	PS/2 & USB	PS/2 & USB
	Video	VGA	VGA
Expansion		256 (Daisy-chain)	512 (Daisy-chain)
Second Console		PS/2, USB, HDB-15 (SPHD)	PS/2, USB, HDB-15 (SPHD)
Platform Support		Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun
Single Rail/Dual Rail		Dual Rail	Dual Rail
Port Selection		OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton

Model No.		CL1008	CL1016	CL5708*	CL5716*
Backlit		LED	LED	LED	LED
TFT-LCD Size		CL1008M: 17"	CL1016M: 17"	CL5708M: 17" CL5708N: 19"	CL5716M: 17" CL5716N: 19"
Ports		8	16	8	16
Interface	Keyboard, Mouse	PS/2	PS/2	PS/2-USB	PS/2-USB
	Video	VGA	VGA	VGA	VGA
Expansion		128 (Daisy-chain)	256 (Daisy-chain)	256 (Daisy-chain)	512 (Daisy-chain)
Second Console		N/A	N/A	PS/2, USB, HDB-15 (SPHD)	PS/2, USB, HDB-15 (SPHD)
Platform Support		Windows, Linux	Windows, Linux	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun
Single Rail/Dual Rail		Single Rail	Single Rail	Single Rail	Single Rail
Port Selection		OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton

Note:
* Models with Fingerprint Identification Reader Only.

CL6700

USB DVI WideScreen Full HD LCD Console with USB Peripheral Support

Shared Access: 2 Local Users | 2nd Console: DVI, HDMI, VGA, USB | External Mouse: USB | Audio Enabled | LCD Monitor: 17.3" | LED Illumination Light

Front

Rear

Features

- Exclusive LED illumination light - designed by ATEN to illuminate the keyboard and touchpad to allow visibility in low-light conditions
- Integrated DVI KVM console with a 17.3" Widescreen Full HD LED-backlit LCD monitor in a single rail housing
- Supports an external console with USB/DVI/VGA/HDMI connectors
- Additional hot-pluggable USB mouse port on front panel (also functions as USB peripheral port)
- Adjustable depth to fit within the rack
- DDC emulation – video settings of attached computers are automatically adjusted for optimal output to the monitor
- Standard 105-key keyboard
- Keyboard language supports English (US), English (UK), French, German, German (Swiss), Greek, Hungarian, Italian, Japanese, Korean, Russian, Spanish, Swedish and Traditional Chinese

Specifications

Function		CL6700
Ports		1
Interface	Computer	DVI-D, HDB-15, HDMI, USB
	Platform	DVI-D, HDB-15, HDMI, USB
Second Console		USB, DVI-D, HDB-15, HDMI
Audio		Mini Stereo Jack (Female)
Platform Support		Windows, Linux, Mac / Sun*
LCD		CL6700MW: 17.3"
Console Selection		Hotkey
Emulation		USB
Video Resolution		1920 x 1080; DDC2B
USB Peripheral		•**
Firmware Upgradable		•
Scan Interval (Sec.)		N/A
Input		100-240VAC, 50-60Hz, 1A
Power Consumption		120V,19.4W / 230V,19.4W
Environment	Operating Temp.	0-40°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	11.38 kg
	Dimensions (L x W x H)	48.00 x 58.92 x 4.40 cm
Carton Lot		1 pc

Note:
* Built-in support
** Additional hot-pluggable USB mouse port on front panel (also functions as USB peripheral port)

Included Accessories

	CL6700
Custom USB DVI KVM Cable Set	•
Firmware Upgrade Cable	•
Power Cord	•
Standard Mounting Kit	•

Optional Accessories

Type	Part No. / Spec.	Page No.
HDMI KVM Cables	2L-7D02UH (1.8 m)	12-3 R
USB DVI-D Single Link KVM Cables	2L-7D02U (1.8 m), 2L-7D03U (3 m), 2L-7D05U (5 m)	12-3 O
Rack Mount Kits	Please refer to page 4-16	4-16

CL3000

Lightweight PS/2-USB VGA LCD Console with USB Peripheral Support

Front

Rear

Features

- Exclusive LED illumination light - designed by ATEN to illuminate the keyboard and touchpad to allow visibility in low-light conditions
- MIL-STD-801G Certified
- Green power LED-backlit LCD monitor saves energy
- Lightweight aluminum design for easier installation
- Integrated KVM console with a 19” LED-backlit LCD monitor in a single rail housing
- Additional hot-pluggable USB mouse port on front panel
- 1U high mountable rack
- Standard 105-key keyboard
- Keyboard Language supports English (US), English (UK), French, German, German (Swiss), Greek, Hungarian, Italian, Japanese, Korean, Russian, Spanish, Swedish and Traditional Chinese

Specifications

Function		CL3000
Ports		1
Interface	Computer	SPHD
	Platform	PS/2, USB, HDB-15
Second Console		PS/2, USB, HDB-15
Platform Support		Windows, Linux, Mac / Sun*
LCD		CL3000N: 19”
Console Selection		Hotkey
Emulation		PS/2, USB
Video Resolution		1280 x 1024
USB Peripheral		•**
Firmware Upgradable		•
Scan Interval (Sec.)		N/A
Input		100-240VAC, 50-60Hz, 1A
Power Consumption		120V, 21.4W / 230V, 22.7W
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Aluminum
	Weight	9.00 kg
	Dimensions (L x W x H)	48.00 x 58.92 x 4.40 cm
Carton Lot		1 pc

Note:
* Built-in support
** Additional hot-pluggable USB mouse port on front panel (also functions as USB peripheral port)

Included Accessories

	CL3000
USB KVM Cable	•
Power Cord	•
Standard Mounting Kit	•

Optional Accessories

Type	Part No. / Spec.	Page No.
USB KVM Cables	2L-5201U (1.2 m), 2L-5202U (1.8 m), 2L-5203U (3 m), 2L-5205U (5 m)	12-2 N
PS/2 KVM Cables	2L-5201P (1.2 m), 2L-5202P / 2L-5702P (1.8 m), 2L-5203P (3 m), 2L-5206P (6 m)	12-1 C, D
Rack Mount Kits	Please refer to page 4-16	4-16

CL5800

PS/2-USB VGA Dual Rail LCD Console with USB Peripheral Support

Front

Rear

Features

- Exclusive LED illumination light - designed by ATEN to illuminate the keyboard and touchpad to allow visibility in low-light conditions
- Dual rail design allows LED-backlit LCD monitor and keyboard/touch pad modules to operate independently
- Integrated KVM console with a 19" LED-backlit LCD monitor in a dual rail housing
- Additional hot-pluggable USB mouse port on front panel
- 1U high mountable rack
- Standard 105-key keyboard
- Keyboard Language supports English (US), English (UK), French, German, German (Swiss), Greek, Hungarian, Italian, Japanese, Korean, Russian, Spanish, Swedish and Traditional Chinese

Specifications

Function		CL5800
Ports		1
Interface	Computer	SPHD
	Platform	PS/2,USB, HDB-15
Second Console		PS/2, USB, HDB-15
Platform Support		Windows, Linux, Mac / Sun*
LCD		CL5800N: 19"
Dual Rail		•
Console Selection		Hotkey
Emulation		PS/2, USB
Video Resolution		1280 x 1024
USB Peripheral		•**
Firmware Upgradable		•
Scan Interval (Sec.)		N/A
Input		100-240VAC, 50-60Hz, 1A
Power Consumption		120V, 22W / 230V, 24W
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	14.27 kg
	Dimensions (L x W x H)	48.00 x 68.04 x 4.40 cm
Carton Lot		1 pc

Note:
* Built-in support
** Additional hot-pluggable USB mouse port on front panel (also functions as USB peripheral port)

Included Accessories

	CL5800
USB KVM Cable	•
Firmware Upgrade Cable	•
Power Cord	•
Standard Mounting Kit	•

Optional Accessories

Type	Part No. / Spec.	Page No.
USB KVM Cables	2L-5201U (1.2 m), 2L-5202U (1.8 m), 2L-5203U (3 m), 2L-5205U (5 m)	12-2 N
PS/2 KVM Cables	2L-5201P (1.2 m), 2L-5202P / 2L-5702P (1.8 m), 2L-5203P (3 m), 2L-5206P (6 m)	12-1 C, D
Rack Mount Kits	Please refer to page 4-16	4-16

CL1000

17" / 19" PS/2 VGA LCD Console

Front

(17")

(19")

Rear

(17")

(19")

Features

- Exclusive LED illumination light - designed by ATEN to illuminate the keyboard and touchpad to allow visibility in low-light conditions
- The most popular ATEN LED-backlit LCD Console in a single rail housing
- 1U high mountable rack
- Adjustable depth to fit within a rack
- Standard 105-key keyboard
- Keyboard Language supports English (US), English (UK), French, German, German (Swiss), Greek (CL1000N only), Hungarian, Italian, Japanese, Korean, Spanish, Russian, Swedish and Traditional Chinese

Note:
* Custom KVM cables or converters are available for USB support

Specifications

Function		CL1000
Ports		1
Interface	Computer	SPHD
	Platform	PS/2,USB*, HDB-15
Platform Support		Windows, Linux
LCD		CL1000M: 17", CL1000N: 19"
Console Selection		N/A
Emulation		PS/2
Video Resolution		1280 x 1024
USB Peripheral		N/A
Firmware Upgradable		N/A
Scan Interval (Sec.)		N/A
Input		100-240VAC, 50-60Hz, 1A
Power Consumption		17": 120V, 14W / 230V, 16W 19": 120V, 23W / 230V, 24W
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal + Plastic
	Weight	17": 12.02 kg 19": 11.06 kg
	Dimensions (L x W x H)	17": 48.00 x 53.83 x 4.40 cm 19": 48.30 x 58.52 x 4.40 cm
Carton Lot		1 pc

Note:
* Custom KVM cables or converters are available for USB support

Included Accessories

	CL1000
USB KVM Converter Cable	•
Power Cord	•
Standard Mounting Kit	•

Optional Accessories

Type	Part No. / Spec.	Page No.
PS/2 KVM Cables	2L-5201P (1.2 m), 2L-5202P / 2L-5702P (1.8 m), 2L-5203P (3 m), 2L-5206P (6 m)	12-1 C, D
Cables & Converters for USB Interface Support	2L-5202UP (1.8 m), 2L-5203UP (3 m), 2L-5205UP (5 m), 2L-5206UP (6 m) Supports Mac Keyboards Emulation: UC100KMA Supports Sun Keyboards Emulation: CV131A	12-1 E 9-3
Rack Mount Kits	Please refer to page 4-16	4-16

CL6708

8-Port DVI LCD KVM Switch

Front

Rear

Features

- Exclusive LED illumination light - designed by ATEN to illuminate the keyboard and touchpad to allow visibility in low-light conditions
- Integrated KVM console with a 17.3"LED-backlit LCD monitor in a single rail housing
- Cascadable up to one level – control up to 64 computers
- Supports USB external console
- Front panel USB port allows each computer to access USB peripherals
- Multiplatform support –Windows, Linux, Mac and Sun
- Superior video quality – up to 1920 x 1080 @ 60Hz, DDC2B
- Two level access security – administrator, user
- Broadcast mode – operations simultaneously performed on all selected computers, software installation and upgrading, system wide shutdown, etc.
- Standard 105-key keyboard
- Keyboard Language supports English (US), English (UK), French, German, German (Swiss), Greek, Hungarian, Italian, Japanese, Korean, Russian, Spanish, Swedish and Traditional Chinese

Specifications

Function		CL6708
Ports		8
Expansion		64
Interface	Computer	USB Type B, DVI-I
	Platform	USB Type B, DVI-I
Second Console		USB Type A, DVI-I
Platform Support		Windows, Linux, Mac / Sun*
LCD		CL6708MW: 17.3"
Port Selection		OSD, Hotkey, Pushbutton
Emulation		USB
Video Resolution		1920 x 1080; DDC2B
USB Peripheral		•**
Firmware Upgradable		•
Scan Interval (Sec.)		1-255
Input		100-240VAC, 50-60Hz, 1A
Power Consumption		110V, 29.3W / 220V, 28.8W
Environment	Operating Temp.	0-40°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal + Plastic
	Weight	12.70 kg
	Dimensions (L x W x H)	48.00 x 68.92 x 4.40 cm
Carton Lot		1 pc

Note:
* Built-in support
** Additional hot-pluggable USB mouse port on front panel (also functions as USB peripheral port)

Included Accessories

	CL6708
USB DVI-D Single Link KVM Cables	2
Firmware Upgrade Cable	•
Power Cord	•
Standard Mounting Kit	•

Optional Accessories

Type	Part No. / Spec.	Page No.
USB DVI-D Single Link KVM Cables	2L-7D02U (1.8m), 2L-7D03U (3m), 2L-7D05U (5m)	12-3 O
USB DVI-I Single Link KVM Cables	2L-7D02UI (1.8m), 2L-7D03UI (3m)	12-3 O
Rack Mount Kits	Please refer to page 4-16	4-16

CL1308 / CL1316

8 / 16-Port PS/2-USB VGA LCD KVM Switch

Front

Rear

- CL1308

- CL1316

Specifications

Function		CL1308	CL1316
Ports		8	16
Expansion		128 (Cascade)	256 (Cascade)
Interface	Computer	SPHD	
	Platform	USB, PS/2, HDB-15	
Second Console		N/A	N/A
Platform Support		Windows, Linux, Mac / Sun*	
LCD		CL1308N: 19"	CL1316N: 19"
Port Selection		Pushbutton, OSD, Hotkey	
Emulation		PS/2, USB	
Video Resolution		1280 × 1024; DDC2B	
USB Peripheral		•	•
Firmware Upgradable		•	•
Scan Interval (Sec.)		1-255	
Input		100-240VAC, 50/60Hz, 1A	
Power Consumption		120V, 22W	230V, 22.9W
Environment	Operating Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal + Plastic	
	Weight	12.59 kg	12.77 kg
	Dimensions (L x W x H)	48.30 x 68.92 x 4.40 cm	48.30 x 68.92 x 4.40 cm
Carton Lot		1 pc	1 pc

Note:
* Built-in support

Features

- Exclusive LED illumination light - designed by ATEN to illuminate the keyboard and touchpad to allow visibility in low-light conditions
- The most cost effective ATEN 19" LED-backlit LCD KVM Switch
- Reduce space and cost requirements with streamlined, space-saving design
- Provides an ease and flexibility for expanding server installation Enhanced security with two level account access
- Supports most OS platforms and I/O peripherals
- Supports USB keyboards for Windows, Linux, Mac and Sun
- Convenient computer switching via front panel pushbuttons, hotkeys, or multilingual on-screen display (OSD) menu
- Two level access security – administrator, user
- Auto Scan feature – monitoring user-selected computers
- Broadcast mode – operations simultaneously performed on all selected computers, software installation and upgrading, system wide shutdown, etc.
- Buzzer on/off via hotkey and OSD
- Keyboard language supports English (US), English (UK), French, German, German (Swiss), Greek, Hungarian, Italian, Japanese, Korean, Russian, Spanish, Swedish and Traditional Chinese

Included Accessories

	CL1308 / CL1316
USB KVM Cables	2
Firmware Upgrade Cable	•
Power Cord	•
Standard Mounting Kit	•

Optional Accessories

Type	Part No. / Spec.	Page No.
PS/2 KVM Cables	2L-5201P (1.2 m), 2L-5202P / 2L-5702P (1.8 m), 2L-5203P (3 m), 2L-5206P (6 m)	12-1 C, D
USB KVM Cables	2L-5201U (1.2 m), 2L-5202U (1.8 m), 2L-5203U (3 m), 2L-5205U (5 m)	12-2 N
Rack Mount Kits	Please refer to page 4-16	4-16

CL5808 / CL5816

8 / 16-Port PS/2-USB VGA Dual Rail LCD KVM Switch with Daisy-Chain Port and USB Peripheral Support

Shared Access: 2 Local Users | 2nd Console: PS/2, USB | Computers: PS/2, USB | USB Peripherals: 1 Port | External Mouse: USB | Expansion: Daisy Chain | LCD Monitor: 19" | LED Illumination Light

Front

Rear

• CL5808

• CL5816

Features

- Exclusive LED illumination light - designed by ATEN to illuminate the keyboard and touchpad to allow visibility in low-light conditions
- Dual rail design allows LED-backlit LCD monitor and keyboard / touch pad modules to operate independently
- Daisy-chain up to 31 additional units – control up to 256 / 512 computers from a single console
- Integrated KVM console with a 19" LED-backlit monitor in a dual rail housing
- Supports a PS/2 or USB external console
- Front panel USB port allows each computer to access USB peripherals
- Dual interface – supports computers with PS/2 or USB keyboards and mice
- Supports USB keyboards for Windows, Linux, Mac and Sun
- Superior video quality – up to 1280 x 1024 @ 75Hz, DDC2B
- Two level access security – administrator, user
- Broadcast mode – operations simultaneously performed on all selected computers, software installation and upgrading, system wide shutdown, etc.
- Standard 105-key keyboard
- Keyboard Language supports English (US), English (UK), French, German, German (Swiss), Greek, Hungarian, Italian, Japanese, Korean, Russian, Spanish, Swedish and Traditional Chinese

Included Accessories

	CL5808 / CL5816
PS/2-USB KVM Cables	2
Console Cable	•
Firmware Upgrade Cable	•
Power Cord	•
Standard Mounting Kit	•

Optional Accessories

Type	Part No. / Spec.	Page No.
USB KVM Cables	2L-5201U (1.2 m), 2L-5202U (1.8 m), 2L-5203U (3 m), 2L-5205U (5 m)	12-2 N
PS/2-USB KVM Cables	2L-5301UP (1.2 m), 2L-5302UP (1.8 m), 2L-5303UP (3 m)	12-2 G
PS/2 KVM Cables	2L-5201P (1.2 m), 2L-5202P / 2L-5702P (1.8 m), 2L-5203P (3 m), 2L-5206P (6 m)	12-1 C, D
Daisy-chain Cables	2L-1700 (0.6 m), 2L-1701 (1.8 m), 2L-1703 (3 m), 2L-1705 (5 m), 2L-1715 (15 m)	12-3 S
Rack Mount Kits	Please refer to page 4-16	4-16

Specifications

Function		CL5808	CL5816
Ports		8	16
Expansion		256 (Daisy-chain)	512 (Daisy-chain)
Interface	Computer	SPHD	
	Platform	PS/2 & USB, HDB-15	
Second Console		PS/2, USB, HDB-15 (SPHD)	
Platform Support		Windows, Linux, Mac / Sun*	
LCD		CL5800N: 19"	CL5816N: 19"
Dual Rail		•	
Port Selection		OSD, Hotkey, Pushbutton	
Emulation		PS/2, USB	
Video Resolution		1280 x 1024	
USB Peripheral		•	•
Firmware Upgradable		•	•
Scan Interval (Sec.)		1-255	
Input		100-240VAC, 50-60Hz, 1A	
Power Consumption		120V, 24W / 230V, 25W	120V, 26W / 230V, 26.8W
Environment	Operating Temp.	0-50˚C	
	Storage Temp.	-20-60˚C	
	Humidity	0-80% RH, Non-Condensing	
Physical	Housing	Metal + Plastic	
Properties	Weight	14.48 kg	14.76 kg
	Dimensions (L x W x H)	48.00 x 68.04 x 4.40 cm	48.00 x 68.04 x 4.40 cm
Carton Lot		1 pc	1 pc

Note:
* Built-in support
** Additional hot-pluggable USB mouse port on front panel (also functions as USB peripheral port)

CL1008 / CL1016

8 / 16-Port PS/2 VGA LCD KVM Switch with Daisy-Chain Port

Front

Rear

- CL1008

- CL1016

Features

- Exclusive LED illumination light - designed by ATEN to illuminate the keyboard and touchpad to allow visibility in low-light conditions
- Daisy-chain up to 15 additional units – control up to 128 / 256 computers from a single console
- Integrated KVM console with a 17" LED-backlit monitor in a single rail housing
- Auto Scan feature for – monitoring user-selected computers
- Broadcast mode – operations simultaneously performed on all selected computers, software installation and upgrading, system wide shutdown, etc.
- Two level access security – administrator, user
- Standard 105-key keyboard
- Keyboard Language supports English (US), English (UK), French, German, German (Swiss), Hungarian, Italian, Japanese, Korean, Russian, Spanish, Swedish and Traditional Chinese

Included Accessories

	CL1008 / CL1016
PS/2 KVM Cables	2
Firmware Upgrade Cable	•
Power Cord	•
Standard Mounting Kit	•

Optional Accessories

Type	Part No. / Spec.	Page No.
PS/2 KVM Cables	2L-5201P (1.2 m), 2L-5202P / 2L-5702P (1.8 m), 2L-5203P (3 m), 2L-5206P (6 m)	12-1 C, D
Cables & Converters for USB Interface Support	2L-5202UP (1.8 m), 2L-5203UP (3 m), 2L-5205UP (5 m), 2L-5206UP (6 m) Supports Mac Keyboards Emulation: UC100KMA Supports Sun Keyboards Emulation: CV131A	12-1 E 9-3
Daisy-chain Cables	2L-1700 (0.6 m), 2L-1701 (1.8 m), 2L-1703 (3 m), 2L-1705 (5 m), 2L-1715 (15 m)	12-3 S
Rack Mount Kits	Please refer to page 4-16	4-16

Specifications

Function		CL1008	CL1016
Ports		8	16
Expansion		128 (Daisy-chain)	256 (Daisy-chain)
Interface	Computer	SPHD	
	Platform	PS/2, USB*, HDB-15	
Second Console		N/A	
Platform Support		Windows, Linux, Mac / Sun**	
LCD		CL1008M: 17"	CL1016M: 17"
Port Selection		OSD, Hotkey, Pushbutton	
Emulation		PS/2	
Video Resolution		1280 x 1024	
USB Peripheral		N/A	
Firmware Upgradable		•	•
Scan Interval (Sec.)		1-255	
Input		100-240VAC, 50-60Hz, 1A	
Power Consumption		120V, 15W / 230V, 17W	120V, 18W / 230V, 20W
Environment	Operating Temp.	0-50˚C	
	Storage Temp.	-20-60˚C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal + Plastic	
	Weight	13.34 kg	13.55 kg
	Dimensions (L x W x H)	48.00 x 64.02 x 4.40 cm	48.00 x 64.02 x 4.40 cm
Carton Lot		1 pc	1 pc

Note:
* Custom KVM cables or converters are available for USB support
** Requires Converter/Cable

CL5708 / CL5716

8 / 16-Port PS/2-USB VGA LCD KVM Switch with Daisy-Chain Port and USB Peripheral Support

Front

Rear

• CL5708

• CL5716

Features

- Exclusive LED illumination light - designed by ATEN to illuminate the keyboard and touchpad to allow visibility in low-light conditions
- Daisy-chain up to 31 additional units – control up to 256 / 512 computers from a single console
- Integrated KVM console with a 17" / 19" LED-backlit LCD monitor in a single rail housing
- Optional Fingerprint Identification Reader*
- Supports a PS/2 or USB external console
- Front panel USB port allows each computer to access USB peripherals
- Dual Interface – supports computers with PS/2 or USB keyboard and mouse
- Supports USB keyboards for Windows, Linux, Mac and Sun
- Superior video quality – up to 1280 x 1024 @ 75Hz; DDC2B
- Two level access security – administrator, user
- Broadcast mode – operations simultaneously performed on all selected computers, software installation and upgrading, system wide shutdown, etc.
- Standard 105-key keyboard
- Keyboard Language supports English (US), English (UK), French, German, German (Swiss), Greek, Hungarian, Italian, Japanese, Korean, Russian, Spanish, Swedish and Traditional Chinese

Note:
* Models with fingerprint identification reader only

Included Accessories

	CL5708 / CL5716
USB KVM Cables	2
Console Cable	•
Firmware Upgrade Cable	•
Power Cord	•
Standard Mounting Kit	•

Optional Accessories

Type	Part No. / Spec.	Page No.
USB KVM Cables	2L-5201U (1.2 m), 2L-5202U (1.8 m), 2L-5203U (3 m), 2L-5205U (5 m)	12-2 N
PS/2 KVM Cables	2L-5201P (1.2 m), 2L-5202P / 2L-5702P (1.8 m), 2L-5203P (3 m), 2L-5206P (6 m)	12-1 C, D
Daisy-chain Cables	2L-1700 (0.6 m), 2L-1701 (1.8 m), 2L-1703 (3 m), 2L-1705 (5 m), 2L-1715 (15 m)	12-3 S
Rack Mount Kits	Please refer to page 4-16	4-16

Specifications

Function		CL5708	CL5716
Ports		8	16
Expansion		256 (Daisy-chain)	512 (Daisy-chain)
Interface	Computer	SPHD	
	Platform	PS/2, USB, HDB-15	
Second Console		PS/2, USB, HDB-15 (SPHD)	
Platform Support		Windows, Linux, Mac/Sun*	
LCD		CL5708M: 17” CL5708N: 19”	CL5716M: 17” CL5716N: 19”
Port Selection		OSD, Hotkey, Pushbutton	
Emulation		PS/2, USB	
Video Resolution		1280 x 1024	
USB Peripheral		•	•
Firmware Upgradable		•	•
Scan Interval (Sec.)		1-255	
Input		100-240VAC, 50-60Hz, 1A	
Power Consumption		17”: 120V, 15.2W / 230V, 16W 19”: 120V, 24W / 230V, 25W	17”: 120V, 17W / 230V, 18W 19”: 120V, 26W / 230V, 26.8W
Environment	Operating Temp.	0-50˚C	
	Storage Temp.	-20-60˚C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal + Plastic	
	Weight	17”: 13.47 kg 19”: 13.39 kg	17”: 13.59 kg 19”: 13.65 kg
	Dimensions (W x D x H)	17”: 48.00 x 64.27 x 4.40 cm 19”: 48.00 x 68.92 x 4.40 cm	17”: 48.00 x 64.27 x 4.40 cm 19”: 48.00 x 68.92 x 4.40 cm
Carton Lot		1 pc	1 pc

Note:
* Built-in support

Optional Rack Mount Kits

• Short (Standard)

• Standard Long

2X-010G

2X-023G

• Easy Installation Short

2X-011G

2X-024G

• Easy Installation Long

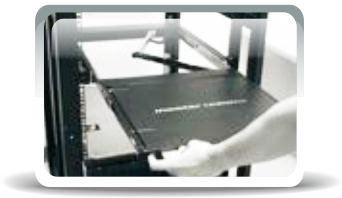
2X-012G

2X-025G

The following illustrations demonstrate just how easy it is to install your new LCD KVM Switch with the Easy Installation Rack Mount Kit.

1. Secure the side rails to the rack.

2. Slide the LCD KVM Switch onto the rails and secure it to the rack.



3. Now slide it out and you are ready to work.

Function	Rack Mount Kit	Depth (cm)
CL1000N, CL1308N, CL1316N	Standard Installation – Short (Standard)	52 - 85
	Standard Installation – Long (2X-023G)	70 - 105
	Easy Installation – Short (2X-024G)	57 - 70
	Easy Installation – Long (2X-025G)	68 - 105
CL3000N, CL5800N, CL6700MW, CL6708MW CL5708N, CL5716N, CL5808N, CL5816N	Standard Installation – Short (Standard)	52 - 85
	Standard Installation – Long (2X-010G)	70 - 105
	Easy Installation – Short (2X-011G)	57 - 70
	Easy Installation – Long (2X-012G)	68 - 105
CL1008M, CL1016M, CL5708M, CL5716M	Standard Installation – Short (Standard)	42 - 82
	Standard Installation – Long (2X-010G)	68 - 105
	Easy Installation – Short (2X-011G)	52 - 70
	Easy Installation – Long (2X-012G)	68 - 105
CL1000M	Standard Installation – Short (Standard)	42 - 72
	Standard Installation – Long (2X-010G)	68 - 100
	Easy Installation – Short (2X-011G)	42 - 70
	Easy Installation – Long (2X-012G)	68 - 105

KVM Extenders

ATEN KVM Extenders allow your console to be located up to 20 km away from your computer or installation. This makes them ideal for data centers, libraries, constructions sites and factory production lines.

- **Dual Console Control**
  ATEN KVM extenders support a PS/2 or USB console at both the local and remote locations. The computer can be controlled from either console.

- **Real Time Monitoring over Greater Distance at Less Cost**
  Use of inexpensive Cat 5e cable to connect the local and remote units enables longer distances between the units, even up to 300 m.

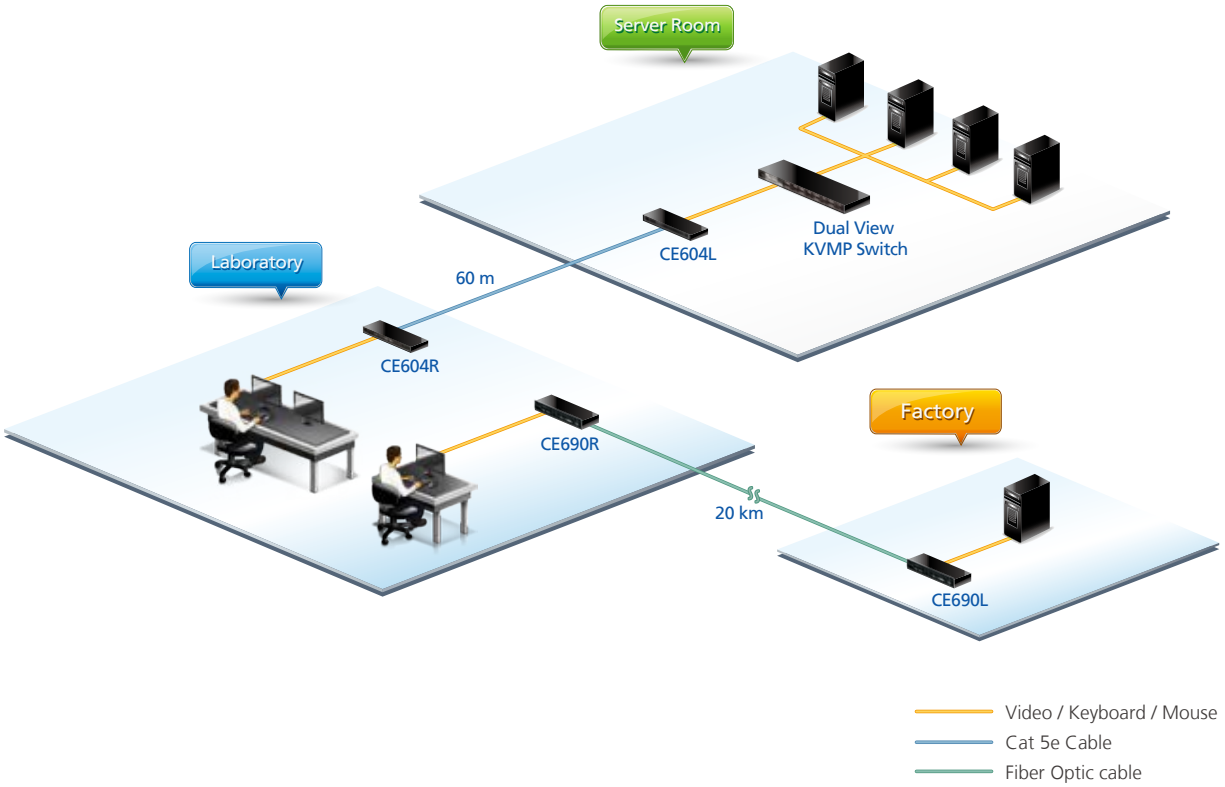
- **USB 2.0 Peripheral Support**
  A dedicated USB port for USB flash drives can be used for file transfer operations between the drive and the computers. To make sure that security is not compromised, a password is required before any files can be uploaded to the computers.

- **Superior CD Audio Quality**
  Our technology converts analog signals to digital signals. This reduces electromagnetic interference and provides better CD audio quality at sample sizes of 24-bit, with sample rates up to 48 kHz.

- **RS-232 Serial Connectivity**
  Incorporation of an RS-232 serial port provides the ability to integrate serial connectivity devices – such as barcode scanners, POS terminals, kiosk touch screens, etc. – as part of the extender installation.

- **Exceptional Video**
  Automatic signal compensation is designed into the extender. The video signal strength is automatically adjusted to compensate for the distance between the computer and the console so the quality of the display doesn't deteriorate as you get further from the source.
  Another feature that compensates for distance is the Deskew Function which automatically synchronizes the time delay of RGB signals to produce an crisp, clear image over long distance transmissions.

Note:
The features highlighted above are not available in all products. Please refer to each product page for more details.
Product information is subject to change without prior notice.



Feature Comparison

Model No.		CE624	CE620	CE610A	CE680	CE690	CE604	CE604	CE602
Distance		Standard: 100 m Long Reach Mode: 150 m		100 m	600 m	20 km	60 m	60 m	60 m
HDBaseT		HDBaseT 2.0	HDBaseT 2.0	HDBaseT	N/A	N/A	N/A	N/A	N/A
Interface	Unit to Unit	Cat 6e / 6a x 1		Cat5e x 1	Fiber optic x 1	Fiber optic x 1	Cat5e x 1 (or 2)	Cat5e x 1 (or 2)	Cat5e x 1 (or 2)
	Keyboard, Mouse	USB	USB	USB	USB	USB	USB	USB	USB
	Video	DVI-D (Single Link)	DVI-D (Single Link)	DVI-D (Single Link)	DVI-D (Single Link)	DVI-D (Single Link)	DVI-D (Single Link)	DVI-D (Single Link)	DVI-D (Single Link)
Dual View		•	N/A	N/A	N/A	N/A	•	•	•
Audio		•	•	N/A	•	•	•	•	•
Automatic Gain Control		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Manual Gain Control		N/A	N/A	N/A	N/A	N/A	•	•	•
USB 2.0 Peripheral		•	•	•	N/A	N/A	N/A	N/A	N/A
USB Touch Panel		•	•	•	•	•	N/A	N/A	N/A
RS-232 Channel		•	•	N/A	•	•	•	•	•
IP Enabled		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Local Console		N/A	N/A	N/A	•	•	N/A	N/A	N/A

Model No.		CE790	CE800B	CE774	CE775	CE770	CE750A
Distance		No limitation (Intranet access)	250 m	150 m	300 m	300 m	150 m
Interface	Unit to Unit	Cat5e x 1	Cat5e x 1	Cat5e x 2	Cat5e x 2	Cat5e x 1	Cat5e x 1
	Keyboard, Mouse	USB	USB	USB	USB	USB	USB
	Video	VGA	VGA	VGA	VGA	VGA	VGA
Dual View		N/A	N/A	•	•	N/A	N/A
Audio		•	•	•	•	•	•
Automatic Gain Control		N/A	•	•	•	•	•
Manual Gain Control		N/A	•	•	•	•	•
USB 2.0 Peripheral		N/A	•	N/A	N/A	N/A	N/A
USB Touch Panel		N/A	N/A	N/A	N/A	N/A	N/A
RS-232 Channel		•	N/A	•	•	•	•
Patented Deskew		N/A	N/A	N/A	•	•	N/A
IP Enabled		•	N/A	N/A	N/A	N/A	N/A
Local Console		•	•	•	•	•	•

Model No.		CE700A	CE100	CE350	CE370	CE252	CE250A
Distance		150 m	100 m	150 m	300 m	300 m	150 m
Interface	Unit to Unit	Cat5e x 1	Cat5e x 1	Cat5e x 1	Cat5e x 1	Cat5e x 1	Cat5e x 1
	Keyboard, Mouse	USB	USB	PS/2	PS/2	PS/2	PS/2
	Video	VGA	VGA	VGA	VGA	VGA	VGA
Dual View		N/A	N/A	N/A	N/A	N/A	N/A
Audio		N/A	N/A	•	•	N/A	N/A
Automatic Gain Control		•	N/A	•	•	•	•
Manual Gain Control		N/A	•	•	•	•	N/A
USB 2.0 Peripheral		N/A	N/A	N/A	N/A	N/A	N/A
USB Touch Panel		N/A	N/A	N/A	N/A	N/A	N/A
RS-232 Channel		N/A	N/A	•	•	N/A	N/A
Patented Deskew		N/A	N/A	N/A	•	N/A	N/A
IP Enabled		N/A	N/A	N/A	N/A	N/A	N/A
Local Console		•	N/A	•	•	•	•

CE624

USB DVI Dual View HDBaseT 2.0 KVM Extender

Extension 100 m

HDBT™

Console USB | Computers USB | DVI-D | Resolution 1920 x 1200 | RS-232 Channel | Dual View | Audio Mic. & Speaker | Rack Mountable

Front

- CE624L

- CE624R

Rear

- CE624L

- CE624R

- CE624L / CE624R

Specifications

Function		CE624
Distance		Up to 100 m
Interface	Unit to Unit	1 x RJ-45 Female
	Keyboard, Mouse	USB 2.0
	Video	DVI-D (Single Link)
Video Resolution		1920 x 1200 @ 100 m (Cat6 / 6a)
Dual View		•
Audio	Speaker	•
	Microphone	•
USB 2.0 Port		•
RS-232 Channel		•
Long Reach Mode Switch		•
Rack / Wall Mountable		•
ESD Protection		+/- 8KV (Contact), +/- 15 KV (Air)
Wide Screen Support		Up to 1600 x 1200 / 1920 x 1200
Power Consumption (L/R)		DC 5V, 5.5W / DC 5V, 12.2W
Environment	Operating Temp.	0-40˚C
	Storage Temp.	-20-60˚C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	1.61 kg (L+R)
	Dimensions (L x W x H)	17.42 x 15.94 x 2.88 cm (L/R)
Carton Lot		1 set

Features

- Supports HDBaseT 2.0 technology
  - Extends dual view video, audio, USB and RS-232 transmissions via a single Ethernet cable
  - Two DVI ports deliver video content (up to 1600 x 1200) over a single Cat 6 / 6a cable
  - EDID Buffer for smooth power-up and the highest quality display
  - Enhanced bit error detection and correction resists signal interference during high-quality video transmissions
- Long distance superior video quality
  - Standard mode up to 1920 x 1200 & 1600 x 1200 @ 100 m (Cat 6 / 6a)
  - Long-Reach mode up to 1920 x 1080 @ 150 m
- Integrated USB 2.0 ports – ensures fast transmission speeds for peripherals
- Supports 2-channel PCM audio for high-quality audio applications
- Supports PC wakeup function via single pushbutton or hotkey
- Built-in 8KV / 15KV ESD protection (Contact voltage 8KV; Air voltage 15KV)

Included Accessories

	CE624
DVI-D Cables	2
Pink Audio Jack Cable	1
Green Audio Jack Cable	1
USB Cable	1
Power Adapters	2
Mounting Kits	2

Optional Accessories

Type	Part No. / Spec.	Page No.
USB DVI-D Dual Link KVM Cables	CE602: 2L-7D02UD (1.8 m), 2L-7D03UD (3 m), 2L-7D05UD (5 m)	12-3 P
Low Skew Cable	2L-2801	5-21
Shield Cable	2L-2901	5-22

CE620

USB DVI HDBaseT 2.0 KVM Extender

Extension 100 m

HDBT™

Console USB | Computers USB | DVI-D | Resolution 1920 x 1200 | RS-232 Channel | Audio Mic. & Speaker | Rack Mountable

Front

- CE620L

- CE620R

Rear

- CE620L

- CE620R

- CE620L / CE620R

Specifications

Function		CE620
Distance		Up to 100 m
Interface	Unit to Unit	1 x RJ-45 Female
	Keyboard, Mouse	USB 2.0
	Video	DVI-D (Single Link)
Video Resolution		1920 x 1200 @ 100 m (Cat6 / 6a)
Audio	Speaker	•
	Microphone	•
RS-232 Channel		•
Long Reach Mode Switch		•
Rack / Wall Mountable		•
ESD Protection		+/- 8KV (Contact), +/- 15 KV (Air)
Wide Screen Support		Up to 1600 x 1200 / 1920 x 1200
Power Consumption (L/R)		DC 5V, 3.0W / DC 5V, 5.6W
Environment	Operating Temp.	0-40°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	1.27 kg (L+R)
	Dimensions (L x W x H)	18.20 x 11.79 x 2.87 cm (L/R)
Carton Lot		5 sets

Features

- Supports HDBaseT 2.0 technology
  - Extends video, audio, USB and RS-232 transmissions via a single Ethernet cable
  - EDID Buffer for smooth power-up and the highest quality display
  - Enhanced bit error detection and correction resists signal interference during high-quality video transmissions
- Long distance superior video quality
  - Standard mode up to 1920 x 1200 & 1600 x 1200 @ 100 m (Cat 6 / 6a)
  - Long-Reach mode up to 1920 x 1080 @ 150 m
- Integrated USB 2.0 ports – ensures fast transmission speeds for peripherals
- Supports 2-channel PCM audio for high-quality audio applications
- Supports PC wakeup function via single pushbutton or hotkey
- Built-in 8KV / 15KV ESD protection (Contact voltage 8KV; Air voltage 15KV)

Note:
The CE620 does not support HDCP

Included Accessories

	CE620
Custom KVM Cable Set	1
Power Adapters	2
Mounting Kits	2

Optional Accessories

Type	Part No. / Spec.	Page No.
USB DVI-D Single Link KVM Cables	2L-7D02U (1.8 m), 2L-7D03U (3 m), 2L-7D05U (5 m)	12-3 O
Low Skew Cable	2L-2801	5-21
Shield Cable	2L-2901	5-22

CE610A

DVI HDBaseT KVM Extender with ExtremeUSB®

Extension 100 m | HDBT™ | EXTREME USB®

Console USB | Computers USB | DVI-D | USB 2.0

Front

• CE610AL / CE610AR

Rear

• CE610AL

• CE610AR

• CE610AL / CE610AR

Features

- Supports HDBaseT™ connectivity technology
- ExtremeUSB® - supports transparent USB 2.0 signals and true plug-and-play (no software or drivers required)
- USB 2.0 Support* – connects devices such as keyboard, mouse, flash drive, printer, touch panel, USB 1.1 web cameras and other USB devices which require moderate amounts of bandwidth
- Single Cat 5e cable allows access to a computer or KVM installation from a remote console

Note:
* The CE610A supports a maximum combined USB transfer rate of 30 Mbps for attached USB devices.

Specifications

Function		CE610A
Distance		Up to 100 m
Interface	Unit to Unit	1 x RJ-45 Female
	Keyboard, Mouse	USB 2.0
	Video	DVI-D (Single Link)
Video Resolution		1920 x 1200 @ 60Hz at 100 m (Cat6a)
Audio	Speaker	•
	Microphone	N/A
USB 2.0 Port		•
Rack / Wall Mountable		•
ESD Protection		+/- 8KV (Contact), +/- 15KV (Air)
Wide Screen Support		Up to 1920 x 1200 / 1920 x 1080
Power Consumption (L/R)		DC 5V,2.5W / DC 5V,13.25W*
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	1.23 kg (L+R)
	Dimensions (L x W x H)	18.20 x 11.79 x 2.87 cm (L/R)
Carton Lot		5 sets

Note:
* For the CE610AR, power consumption will be 13.25W when all 3 USB ports are being used

Included Accessories

	CE610
Custom KVM Cable Set	1
USB 2.0 Cable	1
Power Adapters	2
Mounting Kit	1

Optional Accessories

Type	Part No. / Spec.	Page No.
DVI-D Dual Link Cables	2L-7D02DD (1.8 m), 2L-7D03DD (3 m), 2L-7D05DD (5 m)	12-3 Q
USB DVI-D Single Link KVM Cables	2L-7D02U (1.8 m), 2L-7D03U (3 m), 2L-7D05U (5 m)	12-3 O
Low Skew Cable	2L-2801	5-21
Shield Cable	2L-2901	5-22

CE680 / CE690

DVI Optical KVM Extender

Extension 600 m • CE680

Extension 20 km • CE690

Console USB | Computers USB | DVI-D | RS-232 Channel | Audio Mic. & Speaker | FIBER

Front

• CE680L / CE690L

• CE680R / CE690L

Rear

• CE680L

• CE680R

Specifications

Function		CE680	CE690
Distance		Up to 600 m	Up to 20 km
Interface	Unit to Unit	1 x bi-directional SFP (LC)*	
	Keyboard, Mouse	USB	
	Video	DVI-D (Single Link)	
Video Resolution		640 x 480 to 1920 x 1200 @ 60Hz	
Audio	Speaker	•	•
	Microphone	•	•
Local Console		•	•
RS-232 Channel		•	•
USB Touch Panel		•	•
Rack / Wall Mountable		•	•
ESD Protection		+/- 8KV (Contact) +/- 15KV (Air), +/- 2KV (Surge)	
Wide Screen Support		Up to 1920 x 1200 / 1920 x 1080	
Power Consumption (L/R)		DC5.3V, 10.2W / DC5.3V, 9.0W	
Environment	Operating Temp.	0-50˚C	
	Storage Temp.	-20-60˚C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	2.18 kg (L+R)	2.16 kg (L+R)
	Dimensions (L x W x H)	21.50 x 16.29 x 4.18 cm (L/R)	21.50 x 16.29 x 4.18 cm (L/R)
Carton Lot		1 set	1 set

Note:
* The optical fiber modules are color-coded accordingly:
• CE680L: Blue •CE680R: Yellow
• CE690L: Purple •CE690R: White

• CE680L / CE680R

Features

- Touch screen support – connect any generic touch screen, including multi-touch devices with up to 10 simultaneous detection points, to accommodate highly interactive applications (no extra drivers needed)
- PC Wakeup support – use a pushbutton on a remote unit to wake a PC at the local site via RS-232
- Single fiber optic cable support allows access to a computer or KVM installation from local / remote consoles
- Dual console operation – control your system from both the local and remote USB keyboard, monitor and mouse consoles
- HDCP compatible
- RS-232 serial port – connect to a serial terminal or serial devices, such as touch screens and barcode scanners (Baud Rate 115200 bps)

Note:
CE680 supports OM3 multi-mode fiber

Included Accessories

	CE680 / CE690
Custom KVM Cable Set	1
USB 2.0 Cable	1
Power Adapters	2
Mounting Kit	1

Optional Accessories

Type	Part No. / Spec.	Page No.
USB DVI-D Single Link KVM Cables	2L-7D02U (1.8 m), 2L-7D03U (3 m), 2L-7D05U (5 m)	12-3 O

CE604

DVI Dual View KVM Extender

Extension 60 m

Console USB | Computers USB | DVI-D | RS-232 Channel | Dual View | Audio Mic. & Speaker

Front

• CE604L

• CE604R

Rear

• CE604L

• CE604R

Specifications

Function		CE604
Distance		Up to 60 m
Interface	Unit to Unit	2 x RJ-45 Female
	Keyboard, Mouse	USB
	Video	DVI-D (Single Link)
Video Resolution		1920 x 1200 @ 60Hz at 30 m, 1024 x 768 @ 60Hz at 60 m
Dual View		•
Audio	Speaker	•
	Microphone	•
RS-232 Channel		•
Gain Control		Manual
Rack / Wall Mountable		•
ESD Protection		+/- 8KV (Contact), +/- 15KV (Air), +/- 2KV (Surge)
Wide Screen Support		Up to 1920 x 1200 / 1920 x 1080
Power Consumption (L/R)		DC 5.3V, 3.4W / DC 5.3V, 4.3W
Environment	Operating Temp.	0-50˚C
	Storage Temp.	-20-60˚C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	0.96 kg (L+R)
	Dimensions (L x W x H)	20.20 x 8.68 x 2.50 cm (L/R)
Carton Lot		5 sets

• CE604L / CE604R

Features

- Supports real DDC bypass and ATEN default EDID technology – set up various configurations via hotkeys
- Supports PC wakeup function via one pushbutton or hotkey
- Supports manual compensation adjustment for better quality video
- Supports Dual View video source transmission (one PC with two video output ports)
- Single Cat 5 cable available to transmit a DVI video, speaker, keyboard, mouse and DDC
- Transmit speaker, keyboard, mouse, DDC and one DVI via one Cat5 cable; RS-232, microphone and another DVI by adding a second Cat 5e cable
- RS-232 serial channel – connect to a serial terminal or serial devices, such as touch screens and barcode scanners (Baud Rate up to 9600 bps)
- Compatible with other ATEN Dual View KVM devices, such as CS1642A / CS1644A and CS1762A / CS1764A

Included Accessories

	CE604
Custom KVM Cable Set	1
DVI-D Cable	1
Power Adapters	2
Mounting Kit	1

Optional Accessories

Type	Part No. / Spec.	Page No.
USB DVI-D Single Link KVM Cables	2L-7D02U (1.8 m), 2L-7D03U (3 m), 2L-7D05U (5 m)	12-3 O
Low Skew Cable	2L-2801	5-21
Shield Cable	2L-2901	5-22

CE600 / CE602

DVI KVM Extender / DVI Dual Link KVM Extender

Extension 60 m

Console USB | Computers USB | DVI-D | RS-232 Channel | Audio Mic. & Speaker | Dual Link (CE602)

Front

- CE600L / CE602L

- CE600R / CE602R

Rear

- CE600L / CE602L

- CE600R / CE602R

- CE602L / CE602R

Specifications

Function		CE600	CE602
Distance		Up to 60 m	Up to 60 m
Interface	Unit to Unit	2 x RJ-45 Female	
	Keyboard, Mouse	USB	
	Video	DVI-D (Single Link)	DVI-D (Single Link / Dual Link)
Video Resolution		1920 x 1200 @ 60Hz at 30 m, 1024 x 768 @ 60Hz at 60 m	1024 x 768 @ 60Hz at 60 m, 2560 x 1600 @ 60Hz at 40 m (Dual Link)
Audio	Speaker	•	•
	Microphone	•	•
RS-232 Channel		•	•
Gain Control		Manual	Manual
Rack / Wall Mountable		•	•
ESD Protection		+/- 8KV (Contact), +/- 15KV (Air)	
Wide Screen Support		Up to 2560 × 1600 (16:10)	
Power Consumption (L/R)		DC 5.3V, 2.65W / DC 5.3V, 4.24W	DC 5.3V, 3.18W / DC 5.3V, 5.04W
Environment	Operating Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	0.96 kg (L+R)	0.96 kg (L+R)
	Dimensions (L x W x H)	20.20 x 8.68 x 2.50 cm (L/R)	20.20 x 8.68 x 2.50 cm (L/R)
Carton Lot		5 sets	5 sets

Features

- Features ATEN technology that allows A/V transmission over one Cat 5e cable
- Supports manual compensation adjustment for better quality video
- Superior Video Quality – CE602: up to 2560 x 1600 @ 60Hz at 40 m (DVI dual link)*
- Single Cat 5e cables allow access to a computer or KVM installation from remote console
- The 2nd Cat 5e cable is used for HDCP, RS-232, microphone and dual link signals (CE602)
- Audio enabled
- RS-232 serial ports – allow you to connect to a serial terminal, or serial devices such as touch screens and barcode scanners

Note:

* DVI dual link uses two Cat 5e cables to transmit 2560 x 1600 @ 60Hz. When the data rate on each cable is less than 1920 x 1200 @ 60Hz, the transmission distance becomes longer.
* The length of the 2 Cat 5e cables needs to be the same when transmitting dual link signals.

Included Accessories

	CE600 / CE602
Custom KVM Cable Set	1
Power Adapters	2
Mounting Kit	1

Optional Accessories

Type	Part No. / Spec.	Page No.
USB DVI-D Dual Link KVM Cables	CE602: 2L-7D02UD (1.8 m), 2L-7D03UD (3 m), 2L-7D05UD (5 m)	12-3 P
USB DVI-D Single Link KVM Cables	CE600: 2L-7D02U (1.8 m), 2L-7D03U (3 m), 2L-7D05U (5 m)	12-3 O
Low Skew Cable	2L-2801	5-21
Shield Cable	2L-2901	5-22

CE790

Digital KVM Extender + Audio

Extension Unlimited

TAIWAN EXCELLENCE

Console USB | Computers SPHD USB | RS-232 Channel | IP Ready Intranet | OSD Transmitter | OSD Receiver | Audio Mic. & Speaker

Front

• CE790T

• CE790R

Rear

• CE790R / CE790T

• CE790T / CE790R

Specifications

Function		CE790
Distance		No limitation
Interface	Unit to Unit	1 x RJ-45 Female
	Keyboard, Mouse	USB
	Video	VGA
Video Resolution		1920 x 1080 @ 25 fps, 1600 x 1200 @ 30 fps, 1024 x 768 @ 75 fps
IP Enabled		•
Audio	Speaker	•
	Microphone	•
Local Console		•
RS-232 Channel		•
Rack / Wall Mountable		•
Wide Screen Support		Up to 1920 x 1200 / 1920 x 1080
Auto MDIX Support		•
Power Consumption (L/R)		DC 5.3V, 6.62W / DC 5.3V, 6.36W
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	CE790T: 0.50 kg; CE790R: 0.48 kg
	Dimensions (L x W x H)	CE790T: 20.20 x 8.64 x 2.50 cm; CE790R: 20.20 x 8.64 x 2.50 cm
Carton Lot		5 sets

Features

- Transmits over intranet – works with over existing LAN environment – unlimited distance, no trailing smear
- On Screen Display (OSD) on both the transmitter and receiver units for easy setup and operation
- Supports GUI operation*
- Auto-MDIX – automatically detects Cat 5 cable type
- Allows flexible setup for point-to-point (unicast), point-to-multipoint and multipoint-to-multipoint (multicast)** administration without the need for an additional KVM switch
- Supports high quality digital audio and video streaming from anywhere on the intranet
- RS-232 serial ports – allow you to connects to a serial terminal for configuration and serial devices such as touch screens and barcode scanners

Note:

* The CE790 GUI can be downloaded from the ATEN website (www.aten.com)
** With IGMP enabled network switches / hubs

Included Accessories

	CE790
Custom KVM Cable Set	1
Power Adapters	2
Mounting Kit	1

Optional Accessories

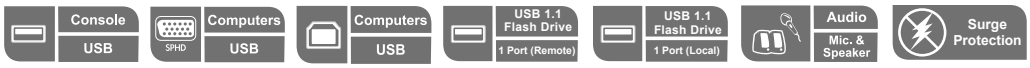
Type	Part No. / Spec.	Page No.
USB KVM Cables	2L-5301U (1.2 m), 2L-5302U (1.8 m), 2L-5303U (3 m), 2L-5305U (5 m)	12-2 L
Low Skew Cable	2L-2801	5-21
Shield Cable	2L-2901	5-22

CE800B

USB KVM Extender + Audio

Extension 250 m

With USB Flash Storage Support



(CE800BL)

Front

- CE800BL

- CE800BR

Rear

- CE800BL / CE800BR

- CE800BL / CE800BR

Features

- Gain Control – automatically and manually adjusts signal strength to compensate for distance
- Firmware Upgradable
- Supports keyboard combinations via emulation (for Sun/Mac)
- Supports Microsoft Intellimouse and the scrolling wheel on most mice
- Single Cat 5e cable available to connect the local and remote units (up to 250 m apart)
- Built-in USB port on both units supports external USB mass storage compliant flash drives for easy file sharing
- Special security feature requires login when mounting an external USB storage device on the remote unit
- Supports VGA, SVGA, XGA, SXGA, UXGA, WUXGA

Specifications

Function		CE800B
Distance		Up to 250 m
Interface	Unit to Unit	1 x RJ-45 Female
	Keyboard, Mouse	USB
	Video	VGA
Video Resolution		1920 x 1200 @ 60Hz at 30 m, 1600 x 1200 @ 60Hz at 150 m, 1024 x 768 @ 60Hz at 250 m
Audio	Speaker	•
	Microphone	•
Local Console		•
Gain Control		Auto & Manual
USB Port for File Sharing Security Login*		•
Rack / Wall Mountable		•
ESD Protection		+/- 8KV (Contact), +/-15KV (Air), +/- 2KV (Surge)
Wide Screen Support		Up to 1920 x 1080**
Power Consumption (L/R)		DC 5V, 6W / DC 5V, 6W
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	0.99 kg (L+R)
	Dimensions (L x W x H)	20.20 x 8.64 x 2.50 cm (L/R)
Carton Lot		5 sets

Note:
* Special security login for uploading files from USB drives
** The EDID data for a widescreen is sent from the local video output port. For widescreen modes and displays, connect the monitor to the local video output port or use an ATEN EDID emulator (2A-130G / VC010)

Included Accessories

	CE800B
Custom KVM Cable Set	1
USB Cable	1
Firmware Upgrade Cable	1
Power Adapters	2
Mounting Kit	1

Optional Accessories

Type	Part No. / Spec.	Page No.
USB KVM Cables	2L-5301U (1.2 m), 2L-5302U (1.8 m), 2L-5303U (3 m), 2L-5305U (5 m)	12-2 L
Low Skew Cable	2L-2801	5-21
Shield Cable	2L-2901	5-22

CE774 / CE775

USB Dual View KVM Extender /
USB Dual View KVM Extender with Deskew

Extension 150 m • CE774
Extension 300 m • CE775

Console USB | Computers USB (SPHD) | RS-232 Channel | ATEN Deskew (CE775R) | OSD Receiver (CE775R) | Audio Mic. & Speaker | Surge Protection | Dual View

Front

• CE774L

• CE774R

Rear

• CE774L / CE775L

• CE774R / CE775R

• CE775L / CE775R

Included Accessories

	CE774 / CE775
Custom KVM Cable Set	1
VGA Cable	1
Power Adapters	2
Mounting Kit	1

Optional Accessories

Type	Part No. / Spec.	Page No.
USB KVM Cables	2L-5301U (1.2 m), 2L-5302U (1.8 m), 2L-5303U (3 m), 2L-5305U (5 m)	12-2 L
Video Synchronizer*	VE510	VanCryst
Low Skew Cable	2L-2801	5-21
Shield Cable	2L-2901	5-22

Note:
* For more information about the VE510, please refer to the VanCryst product catalog, or visit our website www.aten.com

Features

- Deskew function – automatically synchronizes the time delay of RGB signals to compensate for distance (CE775)
- PC wake up support – simply use a pushbutton to wake a computer at the local site via RS-232
- Manual and Automatic Deskew (CE775) / compensation control – adjusts signal strength and RGB delay time to compensate for distance
- Gain Control – automatically or manually adjust signal strength to compensate for distance
- On Screen Display (OSD) - conveniently configure your CE775R with the intuitive OSD menu system
- Auto Signal Compensation (ASC)
- Supports keyboard combinations via emulation (for Sun / Mac)
- Uses two Cat 5e/6 cables to connect the local and remote units (up to 300 m apart)
- Dual Console operation – control your system from both the local and remote USB keyboard, monitor and mouse consoles
- RS-232 serial ports – allow you to connect to a serial terminal, or serial devices such as touch screens and barcode scanners
- Superior Audio – no loss in audio quality at 300 m

Specifications

Function		CE774	CE775
Distance		150 m	300 m
Interface	Unit to Unit	2 x RJ-45 Female	
	Keyboard, Mouse	USB	USB
	Video	VGA	VGA
Video Resolution		1920 x 1200 @ 60Hz at 30 m, 1600 x 1200 @ 60Hz at 150 m	1600 x 1200 @ 60Hz at 150 m, 1280 x 1024 @ 60Hz at 300 m
Dual View		•	•
Deskew Function		N/A	•
Audio	Speaker	•	•
	Microphone	•	•
Local Console		•	•
RS-232 Channel		•	•
Gain Control		Auto & Manual	
Rack / Wall Mountable		•	•
ESD Protection		+/- 8KV (Contact), +/-15KV (Air), +/- 2KV (Surge)	
Wide Screen Support		Up to 1920 x 1200 / 1920 x 1080*	
Power Consumption (L/R)		DC 5.3V, 4.38W / DC 5.3V, 7.95W	DC 5.3V, 4.38W / DC 5.3V, 10.27W
Environment	Operating Temp.	0-50˚C	
	Storage Temp.	-20-60˚C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	1.38 kg (L+R)	1.38 kg (L+R)
	Dimensions (L x W x H)	20.00 x 7.62 x 4.20 cm (L/R)	20.00 x 7.62 x 4.20 cm (L/R)
Carton Lot		5 sets	5 sets

Note:
* The EDID data for a widescreen is sent from the local video output port. For widescreen modes and displays, connect the monitor to the local video output port or use an ATEN EDID emulator (2A-130G / VC010)

CE770

USB KVM Extender + Audio

Extension 300 m

With Deskew Functionality

Console USB | Computers USB (SPHD) | RS-232 Channel | ATEN Deskew | Audio Mic. & Speaker | Surge Protection

Front

• CE770L

• CE770RQ

Rear

• CE770L / CE770RQ

• CE770L / CE770RQ

Features

- Deskew Function – automatically synchronizes the time delay of RGB signals to compensate for distance
- Gain Control – automatically and manually adjust signal strength to compensate for distance
- Auto Signal Compensation (ASC)
- Supports keyboard combinations via emulation (for Sun/Mac)
- Single Cat 5e cable available to connect the local and remote units (up to 300 m apart)
- Dual console operation – control your system from both the local and remote USB keyboard, monitor and mouse consoles
- Supports VGA, SVGA, XGA, SXGA, UXGA, WUXGA
- RS-232 serial ports – allows you to connect to serial terminals or devices, such as touch screens and barcode scanners
- Firmware upgradable

Specifications

Function		CE770
Distance		300 m
Interface	Unit to Unit	1 x RJ-45 Female
	Keyboard, Mouse	USB
	Video	VGA
Video Resolution		1920 x 1200 @ 60Hz at 150 m, 1280 x 1024 @ 60Hz at 300 m
Deskew Function		•
Audio	Speaker	•
	Microphone	•
Local Console		•
RS-232 Channel		•
Gain Control		Auto & Manual
Rack / Wall Mountable		•
ESD Protection		+/- 8KV (Contact), +/-15KV (Air), +/- 2KV (Surge)
Wide Screen Support		Up to 1920 x 1200 / 1920 x 1080*
Power Consumption (L/R)		DC 5.3V, 3.5W / DC 5.3V, 5.1W
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	0.98 kg (L+R)
	Dimensions (L x W x H)	20.00 x 8.64 x 2.50 cm (L/R)
Carton Lot		5 sets

Note:
* The EDID data for a widescreen is sent from the local video output port. For widescreen modes and displays, connect the monitor to the local video output port or use an ATEN EDID emulator (2A-130G / VC010)

Included Accessories

	CE770
Custom KVM Cable Set	1
Power Adapters	2
Mounting Kit	1

Optional Accessories

Type	Part No. / Spec.	Page No.
USB KVM Cables	2L-5301U (1.2 m), 2L-5302U (1.8 m), 2L-5303U (3 m), 2L-5305U (5 m)	12-2 L
Low Skew Cable	2L-2801	5-21
Shield Cable	2L-2901	5-22

CE750A

USB KVM Extender + Audio

Extension 150 m

Console USB | Computers SPHD USB | RS-232 Channel | Audio Mic. & Speaker | Surge Protection

Front

• CE750AL

• CE750AR

Rear

• CE750AL / CE750AR

• CE750AL / CE750AR

Features

- Gain Control – automatically and manually adjust signal strength to compensate for distance
- Auto Signal Compensation (ASC)
- Single Cat 5e cable available to connect the local and remote units (up to 150 m apart)
- Dual console operation – control your system from both the local and remote USB keyboard, monitor and mouse consoles
- RS-232 serial ports – allows you to connect to serial terminals or devices, such as touch screens and barcode scanners
- Supports VGA, SVGA, XGA, SXGA, UXGA, WUXGA
- Firmware upgradable

Specifications

Function		CE750A
Distance		150 m
Interface	Unit to Unit	1 x RJ-45 Female
	Keyboard, Mouse	USB
	Video	VGA
Video Resolution		1920 x 1200 @ 60Hz at 30 m, 1600 x 1200 @ 60Hz at 150 m, 1280 x 1024 @ 60Hz at 200 m
Audio	Speaker	•
	Microphone	•
Local Console		•
RS-232 Channel		•
Gain Control		Auto & Manual
Rack / Wall Mountable		•
ESD Protection		+/- 8KV, +/-15KV (Air), +/-2KV (Surge)
Wide Screen Support		Up to 1920 x 1200 / 1920 x 1080*
Power Consumption (L/R)		DC 5.3V, 3.0W / DC 5.3V, 4.2W
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	0.98 kg (L+R)
	Dimensions (L x W x H)	20.00 x 8.64 x 2.50 cm (L/R)
Carton Lot		5 sets

Note:
* The EDID data for a widescreen is sent from the local video output port. For widescreen modes and displays, connect the monitor to the local video output port or use an ATEN EDID emulator (2A-130G / VC010)

Included Accessories

	CE750A
Custom KVM Cable Set	1
Power Adapters	2
Mounting Kit	1

Optional Accessories

Type	Part No. / Spec.	Page No.
USB KVM Cables	2L-5301U (1.2 m), 2L-5302U (1.8 m), 2L-5303U (3 m), 2L-5305U (5 m)	12-2 L
Video Synchronizer*	VE510	VanCryst
Low Skew Cable	2L-2801	5-21
Shield Cable	2L-2901	5-22

Note:
* For more information about the VE510, please refer to the VanCryst product catalog, or visit our website www.aten.com

CE700A

USB KVM Extender

Extension 150 m

Console USB | Computers SPHD USB | Low Power Consumption | Surge Protection

Front

• CE700AL

• CE700AR

Rear

• CE700AL / CE770AR

• CE700AL / CE700AR

Features

- Auto Signal Compensation (ASC)
- Single Cat 5e cable available to connect the local and remote units (up to 150 m apart)
- Dual console operation – control your system from both the local and remote USB keyboard, monitor and mouse consoles
- Supports VGA, SVGA, XGA, SXGA, UXGA, WUXGA

Specifications

Function		CE700A
Distance		Up to 150 m
Interface	Unit to Unit	1 x RJ-45 Female
	Keyboard, Mouse	USB
	Video	VGA
Video Resolution		1920 x 1200 @ 60Hz at 30 m, 1600 x 1200 @ 60Hz at 100 m, 1280 x 1024 @ 60Hz at 150 m
Local Console		•
Gain Control		Auto
Rack / Wall Mountable		•
ESD Protection		+/- 8KV (Contact), 15KV (Air), +/-2KV (Surge)
Wide Screen Support		Up to 1920 x 1200 / 1920 x 1080*
Power Consumption (L/R)		DC 5.3V, 2.31W / DC 5.3V, 2.84W
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	0.63 kg (L+R)
	Dimensions (L x W x H)	12.50 x 8.15 x 2.63 cm (L/R)
Carton Lot		5 sets

Note:
* The EDID data for a widescreen is sent from the local video output port. For widescreen modes and displays, connect the monitor to the local video output port or use an ATEN EDID emulator (2A-130G / VC010)

Included Accessories

	CE700A
Custom KVM Cable Set	1
Power Adapters	2
Mounting Kit	1

Optional Accessories

Type	Part No. / Spec.	Page No.
USB KVM Cables	2L-5201U (1.2 m), 2L-5202U (1.8 m), 2L-5203U (3 m), 2L-5205U (5 m)	12-2 N
VGA Over Cat 5 Repeater*	VE550	VanCryst
Video Synchronizer*	VE510	VanCryst
Low Skew Cable	2L-2801	5-21
Shield Cable	2L-2901	5-22

Note:
* For more information about the VE510, please refer to the VanCryst product catalog, or visit our website www.aten.com

CE100

Mini USB KVM Extender

Extension 100 m

Most Compact Solution for Remote Access

Console USB | Computers USB

Front

• CE100L

• CE100R

Rear

• CE100L / CE100R

• CE100L

• CE100R

Features

- Supports real time DDC communication when remote display unplug and plug
- Supports manual compensation adjustment
- Extends local PC VGA/keyboard/mouse to remote side, allows access to a computer from the remote console up to 100 m away
- Single Cat 5e cable available to connect the local and remote units
- Easily add or remove computers connected to the installation

Specifications

Function		CE100
Distance		Up to 100 m
Interface	Unit to Unit	1 x RJ-45 Female
	Keyboard, Mouse	USB
	Video	VGA
Video Resolution		1920 x 1200 @ 60Hz at 30 m, 1280 x 1024 @ 60Hz at 100 m
Gain Control		Manual
Rack / Wall Mountable		•
Non-Powered (Power Supply by USB Port)		• (Local Unit)*
ESD Protection		+/- 8KV (Contact), +/-15KV (Air)
Wide Screen Support		Up to 1920 x 1200 / 1920 x 1080**
Power Consumption (L/R)		DC 5V, 0.5W / DC 5V, 1.25W
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	0.32kg (L+R)
	Dimensions (L x W x H)	9.10 x 5.74 x 2.40 cm (L/R)
Carton Lot		20 sets

Note:

* The Local unit can get its power from the computer through PS/2 interface - external power is only required when the power from the local computer(s) in the KVM installation is insufficient

** The EDID data for a widescreen is sent from the local video output port. For widescreen modes and displays, connect the monitor to the local video output port or use an ATEN EDID emulator (2A-130G / VC010)

Included Accessories

	CE100
USB VGA Cable	1
Power Adapter	1
Mounting Kit	1

Optional Accessories

Type	Part No. / Spec.	Page No.
USB KVM Cable	2L-5001U (1.2 m)	12-2 J
VGA Over Cat 5 Repeater*	VE550	VanCryst
Video Synchronizer*	VE510	VanCryst
Low Skew Cable	2L-2801	5-21
Shield Cable	2L-2901	5-22

Note:

* For more information about the VE510, please refer to the VanCryst product catalog, or visit our website www.aten.com

CE350 / CE370

PS/2 KVM Extender + Audio

With Deskew Functionality (CE370)

Extension 150 m • CE350

Extension 300 m • CE370

Console PS/2 | Computers SPHD USB | ATEN Deskew (CE370) | RS-232 Channel | Audio Mic. & Speaker | Surge Protection

Front

• CE350L / CE370L

• CE350R

• CE370RQ

Rear

• CE350L / CE350R
• CE370L / CE370RQ

• CE370RQ

Features

- Deskew Function (CE370) – automatically synchronizes the time delay of RGB signals to compensate for distance
- Gain Control – automatically and manually adjust signal strength to compensate for distance
- Auto Signal Compensation (ASC)
- Single Cat 5e cable available to connect the local and remote Units (up to 300 m apart)
- Dual console operation – control your system from both the local and remote PS/2 keyboard, monitor and mouse consoles
- RS-232 serial ports – allow you to connect to serial terminals or serial devices, such as touch screens and barcode scanners
- Supports VGA, SVGA, XGA, SXGA, UXGA, WUXGA
- Firmware upgradable

Specifications

Function		CE350	CE370
Distance		Up to 150 m	Up to 300 m
Interface	Unit to Unit	1 x RJ-45 Female	
	Keyboard, Mouse	PS/2	PS/2
	Video	VGA	VGA
Video Resolution		1920 x 1200 @ 60Hz at 30 m, 1600 x 1200 @ 60Hz at 150 m	1920 x 1200 @ 60Hz at 150 m, 1280 x 1024 @ 60Hz at 300 m
Deskew Function		N/A	•
Audio	Speaker	•	•
	Microphone	•	•
Local Console		•	•
RS-232 Channel		•	•
Gain Control		Auto & Manual	
Rack / Wall Mountable		•	•
ESD Protection		+/-8KV (Contact), +/-15KV (Air), +/-2KV (Surge)	
Wide Screen Support		Up to 1920 x 1200 / 1920 x 1080*	
Power Consumption (L/R)		DC 5.3V, 3.38W / DC 5.3V, 4.77W	DC 5.3V, 3.38W / DC 5.3V, 6.43W
Environment	Operating Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	0.97 kg (L+R)	0.97 kg (L+R)
	Dimensions (L x W x H)	20.20 x 8.64 x 2.50 cm (L/R)	20.20 x 8.64 x 2.50 cm (L/R)
Carton Lot		5 sets	5 sets

Note:
* The EDID data for a widescreen is sent from the local video output port. For widescreen modes and displays, connect the monitor to the local video output port or use an ATEN EDID emulator (2A-130G / VC010)

Included Accessories

	CE350 / CE370
PS/2 KVM Cable	1
Power Adapters	2
Mounting Kit	1

Optional Accessories

Type	Part No. / Spec.	Page No.
PS/2 KVM Cables	2L-5301P (1.2 m), 2L-5302P (1.8 m), 2L-5303P (3 m), 2L-5305P (5 m)	12-2 M
Cables & Converters for USB Interface Support*	PC compatible: 2L-5202UP (1.8 m), 2L-5203UP (3 m), 2L-5205UP (5 m), 2L-5206UP (6 m)	12-1 E
Video Synchronizer**	VE510 (CE350)	VanCryst
Low Skew Cable	2L-2801	5-21
Shield Cable	2L-2901	5-22

Note:
* Cables & converters do not support audio features of audio enabled KVM extenders
** For more information about the VE510, please refer to the VanCryst product catalog, or visit our website www.aten.com

CE252

PS/2 KVM Extender

Extension 300 m

Extra PC Connection for Remote User

Console PS/2 | Computers PS/2 | Non-Powered (Local Unit)

Front

• CE252L

• CE252R

Rear

• CE252L / CE252R

Specifications

Function		CE252
Distance		Up to 300 m
Interface	Unit to Unit	1 x RJ-45 Female
	Keyboard, Mouse	PS/2
	Video	VGA
Video Resolution		1600 x 1200 @ 60Hz at 150 m, 1024 x 768 @ 60Hz at 300 m
Local Console		•
Gain Control		Auto & Manual
Additional PC Port		• (Remote Unit)
Rack / Wall Mountable		•
Non-Powered (Power Supply by USB Port)		• (Local Unit)*
ESD Protection		+/- 4KV (Contact), +/- 8KV (Air), +/-2KV (Surge)
Power Consumption (L/R)		DC 5.3V, 2.6W / DC 5.3V, 2.6W
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	0.70 kg (L+R)
	Dimensions (L x W x H)	13.90 x 8.78 x 3.59 cm (L/R)
Carton Lot		5 sets

Note:
* The Local unit can get its power from the computer through PS/2 interface - external power is only required when the power from the local computer(s) in the KVM installation is insufficient

• CE252L / CE252R

Features

- Gain Control – automatically and manually adjusts signal strength to compensate for distance
- Additional PC connection allowed for the remote unit
- Local unit takes its power from the computer – external power is only required when the power from the local computer(s) in the KVM installation is insufficient
- Single Cat 5e cable available to connect the local and remote units (up to 300 m apart)
- Dual Console Operation – control your system from both the local and remote consoles
- Supports VGA, SVGA, XGA, UXGA

Included Accessories

	CE252
Power Adapter	1
Mounting Kit	1
PS/2 KVM Cable	2

Optional Accessories

Type	Part No. / Spec.	Page No.
PS/2 KVM Cables	2L-5201P (1.2 m), 2L-5202P / 2L-5702P (1.8 m), 2L-5203P (3 m), 2L-5206P (6 m)	12-1 C, D
Cables & Converters for USB Interface Support*	PC compatible: 2L-5202UP (1.8 m), 2L-5203UP (3 m), 2L-5205UP (5 m), 2L-5206UP (6 m)	12-1 E
VGA Over Cat 5 Repeater**	VE550	VanCryst
Video Synchronizer**	VE510	VanCryst
Low Skew Cable	2L-2801	5-21
Shield Cable	2L-2901	5-22

Note:
* Cables & converters do not support audio features of audio enabled KVM extenders
** For more information about the VE510, please refer to the VanCryst product catalog, or visit our website www.aten.com

CE250A

PS/2 KVM Extender

Extension 150 m

Console PS/2 | Computers PS/2 | Surge Protection | Non-Powered (Local Unit)

Front

• CE250AL

• CE250AR

Rear

• CE250AL / CE250AR

• CE250AR / CE250AL

Features

- Gain Control – automatically and manually adjust signal strength to compensate for distance
- Local unit takes its power from the computer – external power is only required when the power from the local computer(s) in the KVM installation is insufficient
- Supports Microsoft IntelliMouse and the scrolling wheel on most mice
- Single Cat 5e cable available to connect the local and remote units (up to 150 m apart)
- Dual console operation – control your system from both the local and remote consoles
- Supports VGA, SVGA, XGA, SXGA

Specifications

Function		CE250A
Distance		Up to 150 m
Interface	Unit to Unit	1 x RJ-45 Female
	Keyboard, Mouse	PS/2
	Video	VGA
Video Resolution		1280 x 1024 @ 60Hz at 150 m
Local Console		•
Gain Control		Auto
Rack / Wall Mountable		•
Non-Powered (Power Supply by PS/2 Port)		• (Local Unit)*
ESD Protection		+/-8KV, +/- 2KV (Surge)
Wide Screen Support		Up to 1200 x 720**
Power Consumption (L/R)		DC 5V, 1.25W / DC 5V, 1.25W
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	0.65 kg (L+R)
	Dimensions (L x W x H)	12.50 x 8.15 x 2.63 cm (L/R)
Carton Lot		5 sets

Note:
* The Local unit can get its power from the computer through PS/2 interface - external power is only required when the power from the local computer(s) in the KVM installation is insufficient
** The EDID data for a widescreen is sent from the local video output port. For widescreen modes and displays, connect the monitor to the local video output port or use an ATEN EDID emulator (2A-130G / VC010)

Included Accessories

	CE250A
PS/2 KVM Cable	1
Power Adapter	1
Mounting Kit	1

Optional Accessories

Type	Part No. / Spec.	Page No.
PS/2 KVM Cables	2L-5201P (1.2 m), 2L-5202P / 2L-5702P (1.8 m), 2L-5203P (3 m), 2L-5206P (6 m)	12-1 C, D
Cables & Converters for USB Interface Support*	PC compatible: 2L-5202UP (1.8 m), 2L-5203UP (3 m), 2L-5205UP (5 m), 2L-5206UP (6 m)	12-1 E
VGA Over Cat 5 Repeater**	VE550	VanCryst
Video Synchronizer**	VE510	VanCryst
Low Skew Cable	2L-2801	5-21
Shield Cable	2L-2901	5-22

Note:
* Cables & converters do not support audio features of audio enabled KVM extenders
** For more information about the VE510, please refer to the VanCryst product catalog, or visit our website www.aten.com

2L-2801

Low Skew Cat 5e Cable

Analog video presents a high quality image when the computer is directly connected to the monitor by short cables. "Skew" is the color phase and time errors that occur when R/G/B video signals are sent long distances, over Cat 5e cables, and this can result in smeared, unsharp, color-fringed images. To remedy this distortion, ATEN developed a Low Skew Cat 5e cable. This high performance cable is suitable for the audio and video transmission of a wide range of video and KVM Extenders. To eliminate blur and bleeding images and to ensure clarity of your video transmissions, use 2L-2801 Low Skew Cat 5e Cable.

Features

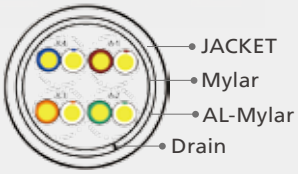
- Supports high quality RGB video transmission
- Contains 305 m/1000 ft. of low skew cable
- Delay Skew: 1~350 MHz 20nS/100 m Max.
- Outer jacket material: FR PVC
- Outer shield material: unshielded
- Conductor material: 24 AWG solid bare copper
- Compatible with ATEN analog Cat 5 video extenders, KVM extenders and Cat 5 KVM switches
- UL, ETL approved

Electrical & Physical Properties

Item			24AWG x 4p
Cable Length			305 m/1000 ft.
Conductor Resistance			9.38 Ohm/100 m/20°C Max.
Mutual Capacitance			56 Pf / M Max.
Dielectric Strength			Ac 1.5 Kv / 2 Sec.
Spark Test			2.5 Kv
Insulation	Unaged	Tensile Strength	2400 Psi Min. (1.69 Kg / m²)
		Elongation	300% Min.
	Aged	Tensile Strength	Unaged Min. 75% (100°C x 48hrs)
		Elongation	Unaged Min. 75% (100°C x 48hrs)
Jacketed	Unaged	Tensile Strength	2000 Psi Min. (1.41 Kg / m²)
		Elongation	100% Min.
	Aged	Tensile Strength	Unaged Min. 85% (100°C x 240hrs)
		Elongation	Unaged Min. 50% (100°C x 240hrs)
Insulation Shrinkback			150m / M, 121°C±1°C×1hr ≦ 9.5 m/ M
Cold Bend Test			-20°C x 4hrs No.Crack
Flame Retardant Test			CMR
AC Leakage Current Through Overall Jacket			Ac 1500v ≦ 10 Ma
DC Resistance Unbalance			5% Max.
Pair-to-Ground Capacitance Unbalance			330 Pf/100m Max.
Characteristic Impedance			1 ~ 350 MHz 100± 15 Ohms
Structural Return Loss			350 MHz 10.6db Min.
Propagation Delay			350 MHz 536ns / 100 m Max.
Delay Skew			1 ~ 350 MHz 20ns / 100 m Max.
Weight			9.8 kg

2L-2901

Shielded Digital Video Extension Cable



The 2L-2901 Shielded Digital Video Extension Cable is a twisted pair shielded with conductive metal film. The cable utilizes copper wires, which are widely used for data transmission. Its outer metal layer protects signal transmissions from electromagnetic interference and reduces the impact caused by electrical noise. The 2L-2901 can support long distance connections while safeguarding transmission quality.

Features

- Supports high quality RGB video transmission
- Contains 305 m/1000 ft of shielded low skew cable
- Delay skew: 1~100 MHz 25nS/100 m Max.
- Outer jacket material: PVC
- Outer shield material: shielded
- Conductor material: 24 AWG bare copper
- Compatible with ATEN digital Cat 5 video extenders, KVM extenders and Cat 5 KVM switches
- UL, ETL approved

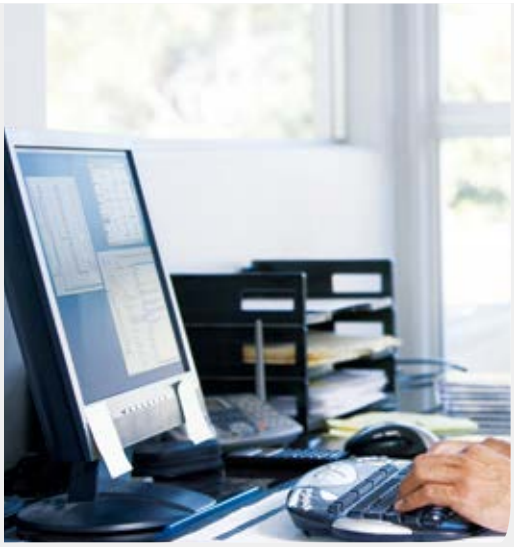
Construction

Conductor	Size	24 AWG
	Construction	Bare copper
	Cond. Diam.	1/0.5±0.008 mm
Insulation	Avg. Thick.	0.20 mm
	Diameter	0.99 ± 0.05 mm
	Material	Polyolefin
	Color codes	1.Orange × White / Orange stripe
		2.Blue × White / Blue stripe
		3.Brown × White / Brown stripe
		4.Green × White / Green stripe
Shielded (1)	Material	Mylar
	Coverage	100% Coverage with 25% Overlapping
Drain Wire	Size	26 AWG
	Material	Tinned Copper
	Construction	7 / 0.16±0.008 mm
Shielded (2)	Material	Aluminum Mylar (Aluminum inward)
	Coverage	100% Coverage with 25% Overlapping
Jacketed	Avg. Thick.	0.45 mm
	Diameter	5.6 ± 0.20 mm
	Material	PVC
	Color	Black

Cable KVM Switches

ATEN's patented all-in-one design eliminates the clutter and bother of connecting separate keyboard, video and mouse cables by consolidating them into a single cable, and building that cable right into the switch. The result is a smart-looking, neat and tidy work environment.

Cable KVM Switches are offered in PS/2, USB, and a combination of both PS/2 and USB configurations. Users can choose the switch that matches their hardware – even combining USB and PS/2 keyboards and mice.



- **Flexible Port Selection**

  For flexibility and convenience there are three ways to switch ports: With hotkeys from the keyboard, mouse port switching, and by clicking with the remote port selector device. Hotkeys provide more control of the focus, while the remote selector device saves the bother of remembering the appropriate hotkey combinations. In addition, a quick and easy switching solution is to click the mouse's scroll wheel to cycle through the ports.

- **Audio Support**

  The Cable KVM Switches are designed with microphone and speaker support, allowing audio input/output for multimedia applications that make use of sound.

- **Flexible Focus Assignment**

  The KVM focus and audio focus can be switched independently of each other, which means that users can work on the computer with the KVM focus while listening to the output of the computer with the audio focus. Users can switch the KVM focus from port to port without moving the audio focus and vice versa.

- **Multifunction Mouse Support**

  Many of the ATEN Cable KVM Switches support multifunction mice, allowing users to make full use of their mice across a broad spectrum of multimedia applications.

- **USB Peripheral Sharing**

  A 2 or 4 port USB hub can be connected to the switch's mouse port allowing USB peripherals to connect to the switch and be shared by all the computers on the installation.

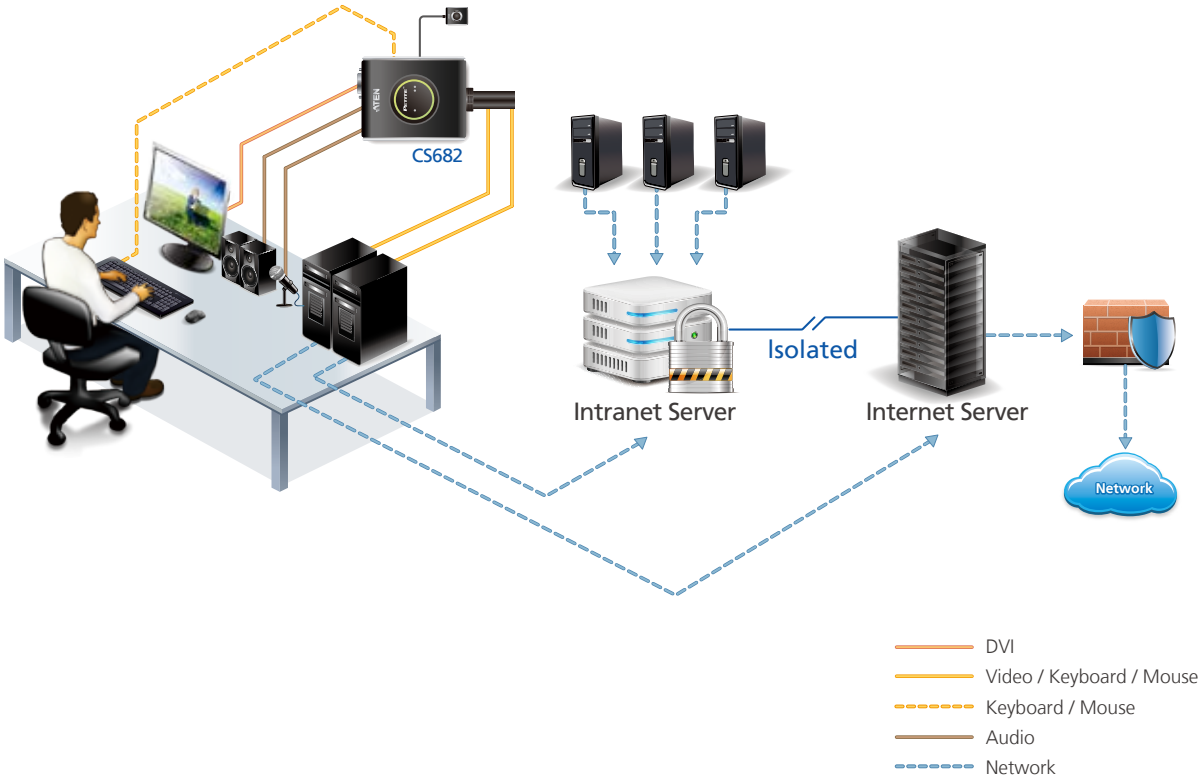
- **Video DynaSync™**

  ATEN's exclusive Video DynaSync™ technology automatically detects the horizontal and vertical offset values of each computer's display settings and synchronizes them with the monitor you are working on, ensuring that the display resolution will always be correct when switching ports.

Note:

The features highlighted above are not available in all products. Please refer to each product page for more details.

Product information is subject to change without prior notice.



Feature Comparison

Model No.		CV211	CS692	CS682	CS22D
Ports		1	2	2	2
Interface	Keyboard, Mouse	USB	USB	USB	USB
	Video	VGA	HDMI	DVI	DVI
Platform Support		Windows, Linux	Windows, Linux, Mac	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun
Audio		N/A	•	•	N/A
Cable Length		CV211 to laptop: 1.8 m CV211 to computer: 0.4 m	1.2 m	1.2 m	1.2 m
USB Peripheral Sharing		N/A	•	•	•
Video DynaSync™		N/A	•	•	N/A
Port Selection		N/A	Hotkey, Remote Port Selector,Mouse	Hotkey, Remote Port Selector,Mouse	Remote Port Selector

Model No.		CS62U	CS62US	CS64U	CS64US
Ports		2	2	4	4
Interface	Keyboard, Mouse	USB	USB	USB	USB
	Video	VGA	VGA	VGA	VGA
Platform Support		Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun
Audio		•	•	•	•
Cable Length		1.8 m	0.9 m	1.8 m	0.9 m, 1.2 m
USB Peripheral Sharing		•	•	•	•
Video DynaSync™		•	•	•	•
Port Selection		Hotkey, Mouse	Hotkey, Mouse	Hotkey	Hotkey

Model No.		CS22U	CS52A	CS52	CS62
Ports		2	2	2	2
Interface	Keyboard, Mouse	USB	PS/2, USB	PS/2, USB	PS/2
	Video	VGA	VGA	VGA	VGA
Platform Support		Windows, Linux, Mac, Sun	Windows, Linux	Windows, Linux	Windows, Linux
Audio		N/A	•	N/A	N/A
Cable Length		0.9 m	0.6 m, 1.2 m	0.6 m, 1.2 m	1.2 m
USB Peripheral Sharing		•	•	•	N/A
Video DynaSync™		N/A	N/A	N/A	N/A
Port Selection		Remote Port Selector	Hotkey, Remote Port Selector	Hotkey, Remote Port Selector	Hotkey

Model No.		CS62S	CS62A	CS64A
Ports		2	2	4
Interface	Keyboard, Mouse	PS/2	PS/2	PS/2
	Video	VGA	VGA	VGA
Platform Support		Windows, Linux	Windows, Linux	Windows, Linux
Audio		N/A	•	•
Cable Length		0.9 m	1.2 m	1.8 m
USB Peripheral Sharing		N/A	N/A	N/A
Video DynaSync™		N/A	N/A	N/A
Port Selection		Hotkey	Hotkey	Hotkey

CV211

Laptop USB Console Adapter

Console USB | Computers USB | Bus-Powered | Virtual Media

Features

- USB Console Adapter for Laptop-to-Computer remote access
- Support video resolution up to 1920 x 1200 @ 60 Hz
- Virtual media enables file applications, OS patching, software installation and diagnostic testing
- BIOS level access
- Bi-directional file transfers between the laptop and remote computer
- Video recording and image capture of remote desktop
- Mouse DynaSync™ - automatically synchronizes the local and remote mouse movements
- On-screen keyboard with multi-language support
- Supports Hotkeys and User Macros
- Desktop scaling – user can adjust the size/ resolution of the Remote desktop window by size or ratio
- Plug-and-Play – no software to install
- Bus-powered
- Firmware upgradable

Specifications

Function		CV211
Port		1
Interface	Laptop USB Console (LUC)	USB Mini B
	Computer	USB, VGA
Laptop Platform Support	Windows	•
Video Resolution		1920 x 1200 @ 60 Hz
Non-Powered		•
Environment	Operation Temp.	0-40°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Plastic
	Weight	0.13 kg
	Dimension (L x W x H)	7.05 x 5.37 x 3.01 cm
Carton Lot		10 pcs

Included Accessories

Type	CV211
USB Type A to USB Mini B Cable	•

Setup > CV211

CS692

2-Port USB HDMI/Audio Cable KVM Switch with Remote Port Selector

Features

- USB 2.0 mouse port can be used as a USB hub and for USB peripheral sharing
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching between ports
- Independent switching of the KVM and audio focus – KVM is focused on one computer while the audio is focused on the other*
- Firmware upgradable
- One HDMI video console controls two USB computers
- HDCP compatible
- Audio-enabled – full bass response provides a rich experience for 2.1 channel surround sound systems
- Compact design, all-in-one cables (2 x 1.2 m) built-in
- Power on detection – if either of the computers is powered off, the CS692 will automatically switch to the other computer
- Compatible with widescreen LCD monitors
- Supports gaming and multimedia keyboards
- Supports multifunction and wireless keyboards and mice
- Supports keyboard combinations via emulation (for Mac)

Note:
* HDMI audio through the HDMI monitor's built-in speakers cannot be switched independently

Specifications

Function		CS692
Ports		2
Interface	Console	USB, HDMI
	Computer	USB, HDMI
Platform Support		Windows, Linux, Mac
Audio	Speaker	•
	Microphone	•
Multifunction Mouse		•
USB Peripheral Sharing		• (USB 2.0)
Port Selection		Hotkey, Remote Port Selector, Mouse
Cable Length	Computer	1.2 m
Emulation		USB
Video Resolution		1920 x 1200
Video DynaSync™		•
Scan Interval (Sec.)		3, 5, 10, 20
Independent Switching		•
Non-Powered		•
Environment	Operation Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Plastic
	Weight	0.48 kg
	Dimension (L x W x H)	8.24 x 6.65 x 2.52 cm
Carton Lot		10 pcs

Optional Accessory

Type	Part No. / Spec.	Page No.
USB Hub	UH275 / UH284	10-3

CS682

2-Port USB DVI/Audio Cable KVM Switch with Remote Port Selector

Our Top-of-the Range DVI Cable KVM Switch + Video DynaSync™

Console USB | Computers USB | DVI | Audio Mic. & Speaker | Multifunction mice | VDS Video DynaSync | Mouse Port Switching

Features

- USB 2.0 mouse port can be used as a USB hub and for USB peripheral sharing
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching between ports
- Independent switching of the KVM and audio focus – KVM is focused on one computer while the audio is focused on the other
- Firmware upgradable
- One DVI video console controls two USB computers
- Fully DVI-Digital specification compliant
- Audio-enabled – full bass response provides a rich experience for 2.1 channel surround sound systems
- Compact design, all-in-one cables (2 x 1.2 m) built-in
- Power on detection – if either of the computers is powered off, the CS682 will automatically switch to the other computer
- Compatible with widescreen LCD monitors and wireless sets
- Supports multimedia keyboards and multifunction mice
- HDCP compatible

Specifications

Function		CS682
Ports		2
Interface	Console	USB, DVI
	Computer	USB, DVI
Platform Support		Windows, Linux, Mac, Sun
Audio	Speaker	•
	Microphone	•
Multifunction Mouse		•
USB Peripheral Sharing		• (USB 2.0)
Port Selection		Hotkey, Remote Port Selector, Mouse
Cable Length	Computer	1.2 m
Emulation		USB
Video Resolution		1920 x 1200
Video DynaSync™		•
Scan Interval (Sec.)		3, 5, 10, 20
Independent Switching		•
Non-Powered		•
Environment	Operation Temp.	0-50˚C
	Storage Temp.	-20-60˚C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Plastic
	Weight	0.49 kg
	Dimension (L x W x H)	11.15 x 7.80 x 2.40 cm
Carton Lot		10 pcs

Included Accessory

Type	CS682
Remote Port Selector	•

CS22D

2-Port USB DVI Cable KVM Switch with Remote Port Selector

Simply Click to Select Computers

Features

- Remote port selector for convenient switch placement
- Mini-USB connector for optional external USB power
- USB 2.0 mouse port can be used for USB peripheral sharing
- One DVI-D video console controls two DVI-D USB interface computers
- Compact design, all-in-one cables (2 x 1.2 m) built-in
- Supports USB hot-plugging
- Supports multifunction mice

Specifications

Function		CS22D
Ports		2
Interface	Console	USB, DVI
	Computer	USB, DVI
Platform Support		Windows, Linux, Mac, Sun
Audio	Speaker	N/A
	Microphone	N/A
Multifunction Mouse		•
USB Peripheral Sharing		• (USB 2.0)
Port Selection		Remote Port Selector
Cable Length	Computer	1.2 m
Emulation		N/A
Video Resolution		1920 x 1200
Non-Powered		•
Environment	Operation Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Plastic
	Weight	0.34 kg
	Dimension (L x W x H)	9.96 x 9.36 x 3.01 cm
Carton Lot		20 pcs

CS62U / CS62US

2-Port USB VGA/Audio Cable KVM Switch

Multiplatform USB Cable KVM Switch

Console USB | Computers USB | Audio Speaker | Multifunction mice | VDS Video DynaSync | Mouse Port Switching | Gaming Keyboard Support

Features

- Video DynaSync™ – exclusive ATEN technology the eliminates boot-up display problems and optimizes the resolution when switching between ports
- Console mouse port emulation / bypass feature supports most mouse drivers
- Supports gaming and multimedia keyboards
- Supports multifunction and wireless keyboards and mice
- One USB console controls two USB computers
- Compact design, built-in 1.8 m cables (CS62U), 0.9 m cables (CS62US)
- Select OS via hotkey
- USB mouse port can be used as a USB 1.1 hub and for USB 1.1 peripheral sharing
- All-in-one design
- Auto Scan function to monitor computer operation
- ATEN USB ASIC inside

Specifications

Function		CS62U	CS62US
Ports		2	
Interface	Console	USB, HDB-15	
	Computer	USB, HDB-15	
Platform Support		Windows, Linux, Mac, Sun	
Audio	Speaker	•	•
	Microphone	N/A	N/A
Multifunction Mouse		•	•
USB Peripheral Sharing		• (USB 1.1)	
Port Selection		Hotkey, Mouse	
Cable Length	Computer	1.8 m	0.9 m
Emulation		USB	
Video Resolution		2048 x 1536; DDC2B	
Video DynaSync™		•	•
Scan Interval (Sec.)		5	
Non-Powered		•	•
Environment	Operation Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Plastic	
	Weight	0.37 kg	0.28 kg
	Dimension (L x W x H)	8.75 x 6.08 x 2.80 cm	8.75 x 6.08 x 2.80 cm
Carton Lot		20 pcs	20 pcs

CS64U / CS64US

4-Port USB VGA/Audio Cable KVM Switch

Features

- Compact design, built-in 1.8 m cables (CS64U), 0.9 / 1.2 m cables (CS64US)
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching between ports
- Firmware upgradable
- One USB console controls four USB computers
- Select OS via hotkey
- USB mouse port can be used as a USB 1.1 hub and for USB 1.1 peripheral sharing
- Supports multimedia USB keyboards and multifunction mice
- Supports wireless keyboards and mice
- All-in-one design
- Auto Scan function to monitor computer operation
- ATEN USB ASIC inside

Specifications

Function		CS64U	CS64US
Ports		4	
Interface	Console	USB, HDB-15	
	Computer	USB, HDB-15	
Platform Support		Windows, Linux, Mac, Sun	
Audio	Speaker	•	•
	Microphone	N/A	N/A
Multifunction Mouse		•	•
USB Peripheral Sharing		• (USB 1.1)	
Port Selection		Hotkey	
Cable Length	Computer	1.8 m	0.9 m / 1.2 m
Emulation		USB	
Video Resolution		2048 x 1536; DDC2B	
Video DynaSync™		•	•
Scan Interval (Sec.)		1-99	
Non-Powered		•	•
Environment	Operation Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Plastic	
	Weight	0.73 kg	0.58 kg
	Dimension (L x W x H)	9.41 x 9.72 x 2.60 cm	9.41 x 9.72 x 2.60 cm
Carton Lot		5 pcs	5 pcs

CS22U

2-Port USB VGA Cable KVM Switch with Remote Port Selector

Simply Click to Select Computers

Features

- Remote port selector for convenient switch placement
- USB mouse port can be used as a USB 1.1 hub and for USB 1.1 peripheral sharing
- One USB console controls two USB computers
- Compact design, built-in 0.9 m cables
- Supports multifunction mice

Specifications

Function		CS22U
Ports		2
Interface	Console	USB, HDB-15
	Computer	USB, HDB-15
Platform Support		Windows, Linux, Mac, Sun
Audio	Speaker	N/A
	Microphone	N/A
Multifunction Mouse		•
USB Peripheral Sharing		• (USB 1.1)
Port Selection		Remote Port Selector
Cable Length	Computer	0.9 m
Emulation		N/A
Video Resolution		2048 x 1536; DDC2B
Non-Powered		•
Environment	Operation Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Plastic
	Weight	0.30 kg
	Dimension (L x W x H)	8.24 x 7.01 x 2.46 cm
Carton Lot		20 pcs

CS52A

2-Port PS/2 USB VGA/Audio Cable KVM Switch with Remote Port Selector

GOOD DESIGN PRODUCT

TAIWAN EXCELLENCE

Flexible Combinations: PS/2 Keyboard + USB Mouse

Features

- Remote port selector for convenient switch placement
- USB 2.0 mouse port can be used as a USB hub and for USB peripheral sharing
- Independent switching of the KVM and Audio focus – KVM is focused on one computer while the Audio is focused on the other
- One console (monitor, PS/2 keyboard and USB mouse) controls two computers
- Supports multifunction mice
- Compact design, all-in-one cables (console 0.15 m, computers 0.6 m, 1.2 m) built-in
- Audio (microphone and speaker) enabled – full bass response provides a rich experience for 2.1 surround sound systems
- Auto Scan function to monitor computer operation

Specifications

Function			CS52A
Ports			2
Interface	Console		PS/2, USB*, HDB-15
	Computer		PS/2, USB*, HDB-15
Platform Support			Windows, Linux
Audio	Speaker		•
	Microphone		•
Multifunction Mouse			•
USB Peripheral Sharing			• (USB 2.0)
Port Selection			Hotkey, Remote Port Selector
Cable Length	Console	Keyboard/ Mouse	0.15 m
		Video	
	Computer		0.6 m, 1.2 m
Emulation			PS/2
Video Resolution			2048 x 1536; DDC2B
Scan Interval (Sec.)			3, 5, 10, 20
Independent Switching			•
Non-Powered			•
Environment	Operation Temp.		0-50°C
	Storage Temp.		-20-60°C
	Humidity		0-80% RH, Non-Condensing
Physical Properties	Housing		Plastic
	Weight		0.40 kg
	Dimension (L x W x H)		8.45 x 3.40 x 2.21 cm
Carton Lot			20 pcs

Note:
* CS52A supports PS/2 keyboards and USB mice

Included Accessory

Type	CS52A
Remote Port Selector	•

Optional Accessory

Type	Part No. / Spec.	Page No.
USB Hub	UH275 / UH284	10-3

CS52

2-Port PS/2 USB VGA Cable KVM Switch with Remote Port Selector

Flexible Combinations: PS/2 keyboard + USB Mouse

Console PS/2,USB | Computers PS/2,USB | Multifunction mice

Features

- Remote port selector for convenient switch placement
- USB 2.0 mouse port can be used as a USB hub and for USB peripheral sharing
- One console (monitor, PS/2 keyboard and USB mouse) controls two computers
- Supports multifunction mice
- Compact design, all-in-one cables (console 0.15 m, computers 0.6 m, 1.2 m) built-in
- Auto Scan function to monitor computer operation

Specifications

Function			CS52
Ports			2
Interface	Console		PS/2, USB*, HDB-15
	Computer		PS/2, USB*, HDB-15
Platform Support			Windows, Linux
Audio	Speaker		N/A
	Microphone		N/A
Multifunction Mouse			•
USB Peripheral Sharing			• (USB 2.0)
Port Selection			Hotkey, Remote Port Selector
Cable Length	Console	Keyboard/ Mouse	0.15 m
		Video	
	Computer		0.6 m, 1.2 m
Emulation			PS/2
Video Resolution			2048 x 1536; DDC2B
Scan Interval (Sec.)			3, 5, 10, 20
Non-Powered			•
Environment	Operation Temp.		0-50°C
	Storage Temp.		-20-60°C
	Humidity		0-80% RH, Non-Condensing
Physical Properties	Housing		Plastic
	Weight		0.35 kg
	Dimension (L x W x H)		8.45 x 3.40 x 2.21 cm
Carton Lot			20 pcs

Note:
* CS52 supports PS/2 keyboards and USB mice

Included Accessory

Type	CS52
Remote Port Selector	•

Optional Accessory

Type	Part No. / Spec.	Page No.
USB Hub	UH275 / UH284	10-3

CS62 / CS62S

2-Port PS/2 VGA Cable KVM Switch

Features

- One PS/2 console controls two PS/2 computers
- Compact design, built-in 1.2 m cables (CS62), 0.9 m cables (CS62S)
- Auto Scan function to monitor computer operation

Specifications

Function		CS62	CS62S
Ports		2	
Interface	Console	PS/2, HDB-15	
	Computer	PS/2, HDB-15	
Platform Support		Windows, Linux	
Audio	Speaker	N/A	N/A
	Microphone	N/A	N/A
Port Selection		Hotkey	
Cable Length	Computer	1.2 m	0.9 m
Emulation		PS/2	
Video Resolution		2048 x 1536; DDC2B	
Scan Interval (Sec.)		3, 5, 10, 20	
Non-Powered		•	•
Environment	Operation Temp.	0-50˚C	
	Storage Temp.	-20-60˚C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Plastic	
	Weight	0.27 kg	0.25 kg
	Dimension (L x W x H)	7.30 x 6.24 x 2.25 cm	7.30 x 6.24 x 2.25 cm
Carton Lot		20 pcs	20 pcs

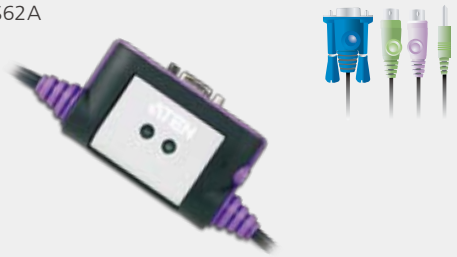
CS62A / CS64A

2 / 4-Port PS/2 VGA/Audio Cable KVM Switch

With Audio Support

Console PS/2 | Computers PS/2 | Audio Speaker

• CS62A



• CS64A

Features

- One PS/2 console controls 2 / 4 PS/2 computers
- Compact design, built-in 1.2 m (CS62A), 1.8 m (CS64A) all-in-one cables
- Auto Scan function to monitor computer operation

Specifications

Function		CS62A	CS64A
Ports		2	4
Interface	Console	PS/2, HDB-15	
	Computer	PS/2, HDB-15	
Platform Support		Windows, Linux	
Audio	Speaker	•	•
	Microphone	N/A	N/A
Port Selection		Hotkey	
Cable Length	Computer	1.2 m	1.8 m
Emulation		PS/2	
Video Resolution		2048 x 1536; DDC2B	
Scan Interval (Sec.)		3, 5, 10, 20	5
Non-Powered		•	•
Environment	Operation Temp.	0-50˚C	
	Storage Temp.	-20-60˚C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Plastic	
	Weight	0.30 kg	0.67 kg
	Dimension (L x W x H)	8.40 x 5.40 x 3.00 cm	7.86 x 7.86 x 3.06 cm
Carton Lot		20 pcs	5 pcs

Desktop KVM Switches

The desktop KVM switches provide both ergonomic style and advanced functionality for the SOHO desktop environment. The KVM switches allow you to switch seamlessly between up to four Mini DisplayPort, DisplayPort, HDMI, Dual / Single Link DVI, or VGA-enabled PCs, and share USB peripherals and multi-channel audio functionality from one single-screen or dual-screen console.

- **Integrated USB Hub**

  The KVMP Switch's design provides USB hub functionality – allowing USB peripherals to connect to the switch and be shared by all the computers on the installation.

- **Integrated High Definition Audio**

  Featuring support for multi-channel digital audio formats – including Dolby True HD, DTS HD Master Audio, 2.1 and 7.1 Surround Sound – users can enjoy a true high definition audio experience.

- **Dual Display – Dual View**

  The Dual Display function is ideal for multimedia power users since it supports a separate output on each monitor. Users can have the display of the computer they are working on in one monitor, while they keep an eye on the video output of the other computers in the second one, allowing the video output to seamlessly display on two monitors.

- **Video DynaSync™**

  ATEN's exclusive Video DynaSync™ technology automatically detects the horizontal and vertical offset values of each computer's display settings and synchronizes them with the monitor you are working on, ensuring that the display resolution will always be correct when switching ports.

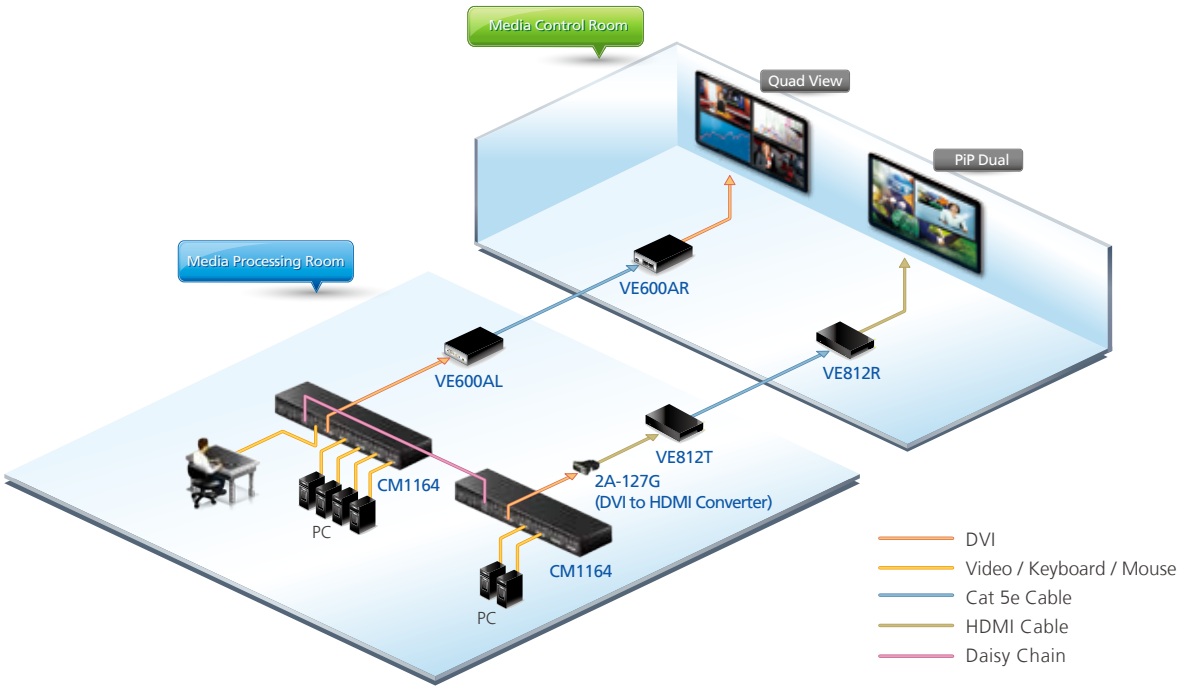
- **Interface Flexibility**

  For the convenience and flexibility of having both PS/2 and USB interface computers on the same installation, many ATEN KVM switches provide custom cables with both PS/2 and USB connectors.

- **Flexible Focus Assignment**

  The KVM, audio and USB focus can all be assigned to one computer, or assigned independently. Assigning the focus independently means that users can give one computer the KVM console focus, another the USB hub focus, while a third has the audio focus.

Note:
The features highlighted above are not available in all products. Please refer to each product page for more details.
Product information is subject to change without prior notice.



Feature Comparison

Model No.		CM1164	CS1924	CS1922	CS1914	CS1912	CS782DP
Ports		4	4	2	4	2	2
Interface	Keyboard, Mouse	USB	USB	USB	USB	USB	USB
	Video	DVI	DisplayPort	DisplayPort	DisplayPort	DisplayPort	DisplayPort
Platform Support		Windows, Linux, Mac, Sun	Windows, Linux, Mac	Windows, Linux, Mac	Windows, Linux, Mac	Windows, Linux, Mac	Windows, Linux, Mac, Sun
USB Hub Built-in		•	• (USB 3.1 Gen 1)	• (USB 3.1 Gen 1)	• (USB 3.1 Gen 1)	• (USB 3.1 Gen 1)	N/A
Audio		•	•	•	•	•	•
Independent Switching		•	•	•	•	•	•
Video DynaSync™		•	N/A	N/A	N/A	N/A	N/A
Quad View		Quad View	N/A	N/A	N/A	N/A	N/A
3D Support		N/A	N/A	N/A	N/A	N/A	N/A
Port Selection		Pushbutton, Hotkey, IR Remote Control, OSD, Mouse	Hotkey, Pushbutton, Mouse	Hotkey, Pushbutton, Mouse	Hotkey, Pushbutton, Mouse	Hotkey, Pushbutton, Mouse	Hotkey, Mouse, Remote Port Selector

Model No.		CS1944	CS1942	CS1794	CS1792	CS1644A	CS1642A
Ports		4	2	4	2	4	2
Interface	Keyboard, Mouse	USB	USB	USB	USB	USB	USB
	Video	Mini DisplayPort	Mini DisplayPort	HDMI	HDMI	DVI (Dual Link)	DVI (Dual Link)
Platform Support		Windows, Linux, Mac	Windows, Linux, Mac	Windows, Linux, Mac	Windows, Linux, Mac	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun
USB Hub Built-in		•	•	•	•	•	•
Audio		•	•	•	•	•	•
Independent Switching		•	•	•	•	•	•
Video DynaSync™		N/A	N/A	•	•	•	•
Dual Display		•	•	N/A	N/A	•	•
3D Support		•	•	N/A	N/A	•	•
Port Selection		Touch Panel, Hotkey, Mouse	Touch Panel, Hotkey, Mouse	Hotkey, Pushbutton	Hotkey, Pushbutton	Hotkey, Pushbutton, Mouse	Hotkey, Pushbutton, Mouse

Model No.		CS1784A	CS1782A	CS1764A	CS1762A	CS74D	CS72D	CS1744
Ports		4	2	4	2	4	2	4
Interface	Keyboard, Mouse	USB	USB	USB	USB	USB	USB	USB
	Video	DVI (Dual Link)	DVI (Dual Link)	DVI	DVI	DVI	DVI	VGA (SPHD)
Platform Support		Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun
USB Hub Built-in		•	•	•	•	N/A	N/A	•
Audio		•	• (7.1)	•	•	•	•	•
Independent Switching		•	•	•	•	•	•	•
Video DynaSync™		•	•	•	•	•	•	N/A
Dual Display		N/A	N/A	N/A	N/A	N/A	N/A	•
3D Support		•	•	N/A	N/A	N/A	N/A	N/A
Port Selection		Hotkey, Pushbutton, Mouse	Hotkey, Pushbutton, Mouse	Hotkey, Pushbutton, Mouse	Hotkey, Pushbutton, Mouse	Hotkey, Pushbutton, Mouse	Hotkey, Pushbutton, Mouse	Hotkey, Pushbutton

Model No.		CS1742	CS1734B	CS1732B	CS1734A	CS1732A	CS1774	CS84U
Ports		2	4	2	4	2	4	4
Interface	Keyboard, Mouse	USB	PS/2, USB	PS/2, USB	PS/2, USB	PS/2, USB	USB	PS/2, USB
	Video	VGA (SPHD)	VGA (SPHD)	VGA (SPHD)	VGA (SPHD)	VGA (SPHD)	VGA (SPHD)	VGA (SPHD)
Platform Support		Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun
USB Hub Built-in		•	•	•	•	•	•	N/A
Audio		•	•	•	•	•	•	N/A
Independent Switching		•	•	•	•	•	•	N/A
Video DynaSync™		N/A	•	•	N/A	N/A	N/A	•
Dual Display		•	N/A	N/A	N/A	N/A	N/A	N/A
3D Support		N/A	N/A	N/A	N/A	N/A	N/A	N/A
Port Selection		Hotkey, Pushbutton	Hotkey, Pushbutton, OSD, Mouse	Hotkey, Pushbutton, OSD, Mouse	Hotkey, Pushbutton	Hotkey, Pushbutton	Hotkey, Pushbutton	Hotkey, Pushbutton, Mouse

Model No.		CS82U	CS74U	CS72U	CS84A	CS82A	CS74E	CS72E
Ports		2	4	2	4	2	4	2
Interface	Keyboard, Mouse	PS/2, USB	USB	USB	PS/2	PS/2	PS/2	PS/2
	Video	VGA (SPHD)	VGA (SPHD)	VGA (SPHD)	VGA	VGA	VGA (SPHD)	VGA (SPHD)
Platform Support		Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux, Mac, Sun	Windows, Linux	Windows, Linux	Windows, Linux	Windows, Linux
USB Hub Built-in		N/A	N/A	N/A	N/A	N/A	N/A	N/A
Audio		N/A	•	•	N/A	N/A	N/A	N/A
Independent Switching		N/A	N/A	N/A	N/A	N/A	N/A	N/A
Video DynaSync™		•	N/A	N/A	N/A	N/A	N/A	N/A
Dual Display		N/A	N/A	N/A	N/A	N/A	N/A	N/A
3D Support		N/A	N/A	N/A	N/A	N/A	N/A	N/A
Port Selection		Hotkey, Pushbutton, Mouse	Pushbutton	Pushbutton	Hotkey, Pushbutton	Hotkey, Pushbutton	Hotkey, Pushbutton	Hotkey, Pushbutton

CM1164

4-Port USB DVI Multi-View/Audio KVMP™ Switch

Console USB | Computers USB | DVI-D | Multi View | DCC | Audio Mic. & Speaker | USB 2.0 Peripherals | VDS Video DynaSync

Front

Rear

Specifications

Function		CM1164
Ports		4
Port and Display Mode Selection		Front Panel Pushbuttons, Hotkey, IR Remote Control, On-Screen Display (OSD) and Mouse*
Interface	Console	USB, DVI
	Computer	USB, DVI
Platform Support		Windows, Linnx, Mac, Sun
Multi-View Support		•
USB Hub Built-in		2 (USB 2.0)
Video DynaSync™		•
Video Resolution		1920 x 1200
OSD Information		•
Power Consumption		100V / 6.7W, 240V / 13.6W
Environment	Operating Temp.	0-40°C
	Storage Temp.	-20-60°C
	Humidity	0–80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	2.50 kg
	Dimensions (L x W x H)	43.72 x 16.38 x 4.40 cm
Carton Lot		3 pcs

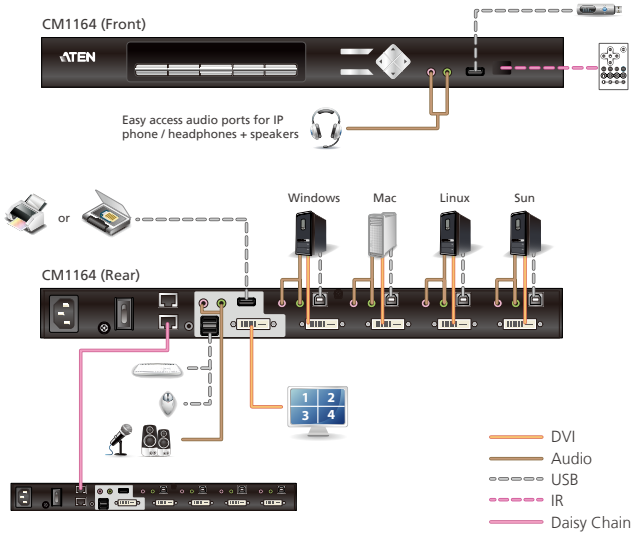
Note:
* Mouse port switching is only functional under mouse emulation mode and USB 3-key wheel mouse

Features

- Multi-view console controls up to four video sources on one screen with display modes including quad view mode, picture in picture mode (dual, triple or quad) and full screen mode
- Channel editor – edit display windows and other functions with the mouse and on-screen control panel
- Function control and system setting via front panel, OSD, IR Remote – display mode, port selection and daisy chain
- Seamless switch among display modes
- DCC (Daisy Chain Control) port enables users to connect up to four CM1164 units, and use one console keyboard / mouse to manage computers or another CM1164
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching between ports
- Four-level OSD password system – administrator, power user, user and guest
- Console mouse port emulation / bypass feature that supports most mouse drivers and multifunction mice
- Console keyboard emulation / bypass feature that support most multimedia keyboards
- Independent switching for USB peripheral port, audio function and KVM switch focus
- Auto Scan feature
- Power on detection
- Multilingual keyboard mapping – supports English, French and Japanese keyboards
- Supports RS232 commands
- Full bass response provides a rich experience for 2.1 channel audio
- Supports keyboard combinations via emulation (for Sun / Mac)

Quad View displays all four computers / video sources on the display

Setup > CM1164



Included Accessories

	CM1164
DVI-D KVM Cables	4
IEC320 Power Cord	•
IR Remote Control	•

Optional Accessories

Type	Part No. / Spec.	Page No.
USB DVI Single Link KVM Cables	2L-7D02U (1.8 m), 2L-7D03U (3 m), 2L-7D05U (5 m)	12-3 O
IR Extender Cable	2XRT-0003G	12-3

Picture-in-Picture (PiP)

- **PiP Dual** – shows two computers / video sources, with only half of the actual display visible

- **PiP Triple** – shows three computers / video sources

- **PiP Quad** – shows four computers / video sources at one time, but unlike in Quad View, one display takes up the whole screen, while the other three displays are occupying only the right side of the screen

Note:
The screen size of the each display depends on the resolution of the computer / video source connected to the port

CS1922 / CS1924

2 / 4-Port USB 3.0 4K DisplayPort/Audio KVMP™ Switch

Console USB | Computers USB | DisplayPort | USB 3.0 Peripherals | Audio Mic. & Speaker | Gaming Keyboard Support | Mouse Port Switching | Multifunction mice | Wide Screen Support

Front

- CS1922

- CS1924

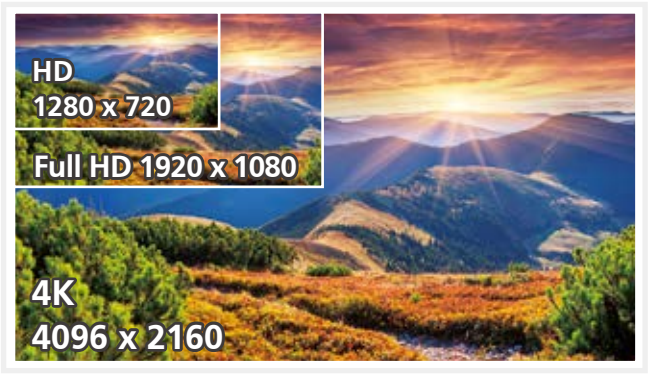
Rear

- CS1922

- CS1924

4K (4096 × 2160 @ 60Hz)

The CS1922 / CS1924 supports video at four times the quality of traditional full HD. Together with high definition audio support, the CS1922 / CS1924 guarantees a flawless media experience.



Extreme Transmission Speed

With a built-in USB 3.0 (USB 3.1 Gen 1) hub each computer has SuperSpeed 5 Gbps transfer rates to all connected peripherals.

Included Accessories

	CS1922	CS1924
DisplayPort Cables	2	4
USB 3.0 Cables	2	4
Audio Cables	4	8
Power Adapter	•	•

Features

- 2/4-port DisplayPort KVMP Switch with USB 3.1 Gen 1 hub and 2.1 surround sound audio
- One USB console controls two/four computers and two USB peripherals
- Computer selection via front panel pushbuttons, hotkeys and mouse*
- Independent switching of KVM, USB, and Audio focus
- Superior video quality – 4K UHD (3840 x 2160 @ 60 Hz) and 4K DCI (4096 x 2160 @ 60 Hz)
- 2-port USB 3.1 Gen 1 hub with SuperSpeed 5 Gbps data transfer rates
- DisplayPort 1.2 compliant, HDCP compliant
- Supports HD audio through DisplayPort**
- Full bass response for high-quality 2.1 channel surround sound systems
- Power On Detection – if a computer is powered off, the CS1922 / CS1924 automatically switches to the next powered-on computer
- Multi-Stream Transport (MST) allows multiple monitors through a single DisplayPort connector***
- Dual-Mode DisplayPort technology (DP++) supports HDMI and DVI signals via an DisplayPort-to-HDMI/DVI DP++ adapter****
- Hot pluggable – add or remove computers without powering down the switch
- Mouse emulation/bypass feature supports most mouse drivers and multifunction mice
- Keyboard emulation/bypass feature supports most gaming keyboards
- Multi-platform support – Windows, Mac, and Linux
- Multilingual keyboard mapping supports English, Japanese, French and German keyboards
- Mac keyboard support and emulation*****
- Auto Scan Mode for monitoring all computers
- Firmware upgradable

Note:

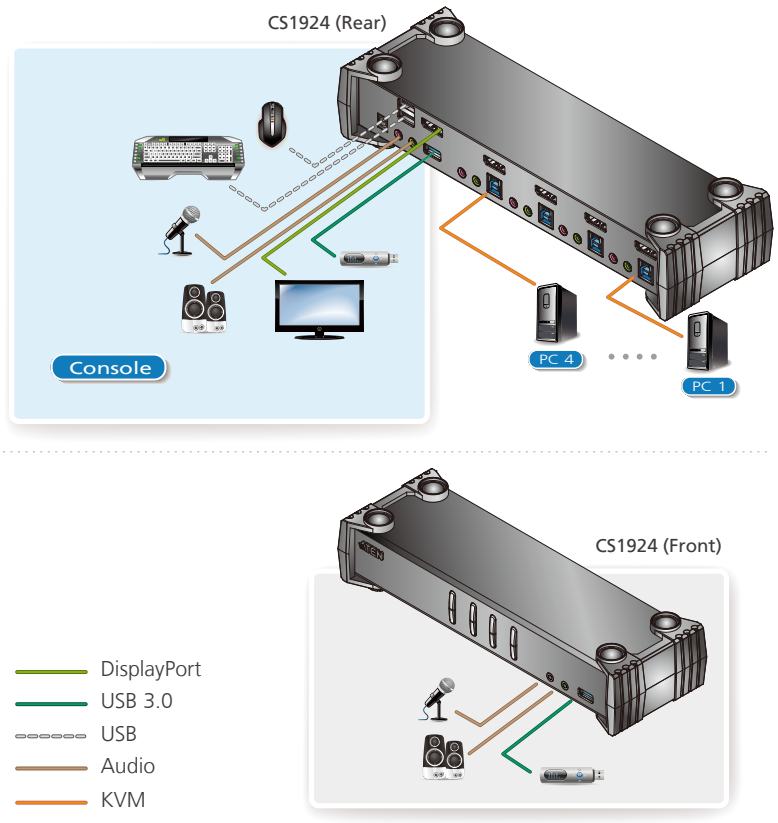
* Mouse port switching is only supported under mouse emulation mode with a USB 3-button mouse wheel.
** HD audio through DisplayPort cannot be switched independently.
*** MST requires two monitors capable of DisplayPort 1.2 daisy-chaining, or use of a powered DisplayPort MST Hub. The PC source must be DisplayPort 1.2 compliant. A DisplayPort v1.1a display can be the last display in a DisplayPort v1.2 chain.
**** Dual-Mode DisplayPort technology (DP++) does not require an active adapter for most single display setups. Active DisplayPort adapters are recommended if you are unsure of the video source's DP++ compatibility.
***** PC keyboard combinations emulate Mac keyboards. Mac keyboards only work with their own operating system.

Specifications

Function		CS1922	CS1924
Ports		2	4
Interface	Console	USB, DisplayPort	
	Computer	USB, DisplayPort	
Platform Support	Windows, Linux	•	•
	Mac	•	•
USB Hub Built-in		• (USB 3.1 Gen 1)	• (USB 3.1 Gen 1)
Multifunction Mouse		•	•
Audio		Speaker, Microphone	
Independent Switching		•	•
Port Selection		Hotkey, Pushbutton, Mouse*	
Emulation		USB	
Video Resolution		4K (4096 x 2160 @ 60Hz)	
Wide Screen Support		•	•
Firmware Upgradable		•	•
Scan Interval (Sec.)		1-99	
Power Consumption		DC 5.0V	DC 5.0V
Environment	Operation Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
	Housing	Metal	
	Weight	0.73 kg	0.91 kg
	Dimensions (L x W x H)	21.00 x 8.80 x 5.55 cm	27.00 x 8.80 x 5.55 cm
Carton Lot		5 pcs	5 pcs

Note:
* Mouse port switching is only supported under mouse emulation mode and by USB 3-key wheel mice.

Setup > CS1924



CS1912 / CS1914

2 / 4-Port USB 3.0 DisplayPort/Audio KVMP™ Switch

Console USB | Computers USB | DisplayPort | USB 3.0 Peripherals | Audio Speaker | Mouse Port Switching | Multifunction mice | Wide Screen Support

Front

• CS1912

• CS1914

Rear

• CS1922

• CS1924

Specifications

Function		CS1912	CS1914
Ports		2	4
Interface	Console	USB, DisplayPort	
	Computer	USB, DisplayPort	
Platform Support	Windows, Linux	•	•
	Mac	•	•
USB Hub Built-in		• (USB 3.1 Gen 1)	• (USB 3.1 Gen 1)
Multifunction Mouse		•	•
Audio		Speaker	
Independent Switching		•	•
Port Selection		Hotkey, Pushbutton, Mouse*	
Emulation		USB	
Video Resolution		3840 x 2160 @ 30Hz	
Wide Screen Support		•	•
Firmware Upgradable		•	•
Scan Interval (Sec.)		1-99	
Power Consumption		DC 5.0V	DC 5.0V
Environment	Operation Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	0.73 kg	0.91 kg
	Dimensions (L x W x H)	21.00 x 8.80 x 5.55 cm	27.00 x 8.80 x 5.55 cm
Carton Lot		5 pcs	5 pcs

Note:
* Mouse port switching is only functional under mouse emulation mode and USB 3-key wheel mouse

Features

- One USB console controls two/four computers and two USB peripherals
- Superior video resolution – up to 3840 x 2160 @ 30 Hz
- 2-port USB 3.1 Gen 1 hub with SuperSpeed 5 Gbps data transfer rates
- DisplayPort 1.1 compliant, HDCP compliant
- Supports HD audio through DisplayPort*
- Full bass response for high-quality 2.1 channel surround sound systems
- Power On Detection – if a computer is powered off, the CS1912 / CS1914 automatically switches to the next powered-on computer
- Dual-Mode DisplayPort technology (DP++) supports HDMI and DVI signals via an DisplayPort-to-HDMI/DVI DP++ adapter**
- Mouse emulation/bypass feature supports most mouse drivers and multifunction mice
- Keyboard emulation/bypass feature supports most gaming keyboards
- Multilingual keyboard mapping supports English, Japanese, French and German keyboards
- Mac keyboard support and emulation***

Note:
* HD audio through DisplayPort cannot be switched independently.
** Dual-Mode DisplayPort technology (DP++) does not require an active adapter for most single display setups. Active DisplayPort adapters are recommended if you are unsure of the video source's DP++ compatibility.
*** PC keyboard combinations emulate Mac keyboards. Mac keyboards only work with their own operating system.

Included Accessories

	CS1912	CS1914
DisplayPort Cables	2	4
USB 3.0 Cables	2	4
Audio Cables	2	4
Power Adapter	•	•

CS782DP

2-Port USB DisplayPort/Audio KVM Switch (4K UHD Supported)

Console USB | Computers USB | DisplayPort | Audio Speaker | Mouse Port Switching | Wide Screen Support | Bus-Powered

Specifications

Function		CS782DP
Ports		2
Interface	Console	USB, DisplayPort
	Computer	USB, DisplayPort
Platform Support	Windows, Linux, Mac, Sun	•
USB Peripheral Sharing		• (USB 2.0)
Multifunction Mouse		•
Audio		Speaker
Independent Switching		•
Port Selection		Hotkey, Mouse*, Remote Port Selector
Cable Length	USB / Audio / Remote Port Selector	1.8 m
	DisplayPort	1.5 m
Emulation		USB
Video Resolution		4K (4096 x 2160 @ 60Hz)
Bus-Powered		•
Wide Screen Support		•
Firmware Upgradable		•
Scan Interval (Sec.)		3, 5, 10, 20
Power Consumption		DC 5V, 4W
Environment	Operation Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
	Housing	Plastic
Physical Properties	Weight	0.12 kg
	Dimensions (L x W x H)	9.37 x 9.30 x 2.68 cm
Carton Lot		10 pcs

Features

- One DisplayPort video console controls two USB computers
- Fully DisplayPort 1.2 Compliant
- Computer selection via remote port selector, hotkeys, and USB mouse*
- HDCP Compliant
- Supports MST (Multi-Stream Transport)**, enabling multiple monitors to be used via a single DisplayPort connector
- Supports DisplayPort Dual Mode (DP++)** for directly outputting single-link HDMI and or DVI signals via a powered DisplayPort-to-HDMI / DVI DP++ adapter
- Power on detection – if either of the computers is powered off, the CS782DP will automatically switch to the other computer
- Audio-enabled – full bass response provides a rich experience for 2.1 channel surround sound systems
- Supports HD Audio*** through DisplayPort playback
- Independent switching of the KVM and Audio focus**** allows convenient multi-tasking
- Supports multimedia keyboards
- Supports wireless keyboards and mice
- Console mouse port emulation / bypass feature supports most mouse drivers and multifunction mice
- Mac / Sun keyboard support and emulation*****
- USB 2.0 mouse port can be used for USB hub and USB peripheral sharing (this may require an extra powered USB Hub)

Note:

* Mouse port switching is only supported under mouse emulation mode and by USB 3-key wheel mice.

** MST (Multi-Stream Transport) requires either monitors that are capable of DisplayPort 1.2 daisy chaining, or use of a powered DisplayPort MST Hub. The PC source must be DisplayPort 1.2 compliant. DP++ (DP Dual Mode) requires use of a powered DP++ adapter. Graphics source must be DP++ compliant.

*** HD audio through DisplayPort interface

**** HD audio through DisplayPort cannot be switched independently

***** (1) PC keyboard combinations emulate Mac / Sun keyboards.
(2) Mac / Sun keyboards work only with their own computers.
(3) To use the USB 2.0 mouse port as a USB hub, you must first disable mouse emulation mode.

Included Accessories

	CS782DP
DisplayPort Cables	2
USB Cables	2
Audio Cables	2
Remote Port Selector	•

CS1942 / CS1944

2 / 4-Port USB Mini DisplayPort/Audio Dual Display KVMP™ Switch

Console USB | Computers USB | Mini DisplayPort | Dual View | Audio Mic. & Speaker | Dolby | Mouse Port Switching

Front

• CS1942

• CS1944

Rear

• CS1942 / CS1944

• CS1942 / CS1944

Included Accessories

	CS1942	CS1944
Mini DisplayPort Cables	4	8
USB Cables	2	4
2.1 Audio Cables	2	4
Power Adapter	•	•

Optional Accessories

Type	Part No. / Spec.
Mini DisplayPort to VGA Adapter*	VC920
Mini DisplayPort to DVI Adapter*	VC960
Mini DisplayPort to HDMI Adapter*	VC980

Note:
* For more information about the VC920, VC960 and VC980, please refer to the VanCryst product catalog, or visit our website www.aten.com

Features

- One dual-screen USB console controls two/four Mini DisplayPort computers
- Full bass response provides a rich experience for HD digital surround sound systems via mini-TOSLINK*
- Quick USB power charge for smart phones and tablet PCs
- Supports a maximum resolution of 2560 x 1600, 3D display up to 1920 x 1080 @ 120Hz, 3840 x 2400 at lower refresh rates
- Computer selection via front touch panel / hotkey / mouse
- Mini DisplayPort 1.1a & HDCP compatible
- Console keyboard emulation / bypass feature that supports most gaming / multimedia keyboards
- Console mouse port emulation / bypass feature that supports most mouse drivers and multifunction mice
- Power on detection
- Multilingual keyboard mapping – supports English, French and Japanese keyboards
- Supports keyboard combinations via emulation (for Mac)

Note:
* Additional mini-TOSLINK cable needed

Specifications

Function			CS1942	CS1944
Ports			2	4
Interface	Console		USB, 2 x Mini DisplayPort	
	Computer		USB, Mini DisplayPort	
Platform Support	Windows, Linux		•	•
	Mac		•	•
	Sun		N/A	N/A
USB Hub Built-in			• (USB 2.0)	• (USB 2.0)
Multifunction Mouse			•	•
Audio Interface	Console	Speaker	Mini-TOSLINK, 3.5 mm	
		Microphone	Mini-TOSLINK, 3.5 mm	
	Computer	Speaker	Mini-TOSLINK	
		Microphone	Mini-TOSLINK	
Independent Switching			•	•
Port Selection			Hotkey, Mouse*, Touch Panel	
Emulation			USB	
Video Resolution			2560 x 1600, 1920 x 1080 (3D@120Hz)	
3D Support			•	•
Wide Screen Support			•	•
Video DynaSync™			N/A	N/A
Firmware Upgradable			•	•
Scan Interval (Sec.)			1-99	1-99
Power Consumption			DC 5.3V, 6.68W	DC 5.3V, 8.63W
Environment	Operation Temp.		0-50˚C	
	Storage Temp.		-20-60˚C	
	Humidity		0-80% RH, Non-Condensing	
	Housing		Metal	
	Weight		0.56 kg	0.61 kg
	Dimensions (L x W x H)		19.70 x 19.70 x 4.47 cm	19.70 x 19.70 x 4.47 cm
Carton Lot			3 pcs	3 pcs

Note:
* Mouse port switching is only functional under mouse emulation mode and USB 3-key wheel mouse

CS1792 / CS1794

2 / 4-Port USB HDMI/Audio KVMP™ Switch

GOOD DESIGN PRODUCT

TAIWAN EXCELLENCE

Console HDMI | Console USB | Computers USB | Computers HDMI | USB 2.0 Peripherals | VDS Video DynaSync | Dolby | Audio Mic. & Speaker

Front

• CS1792

• CS1794

Rear

• CS1792

• CS1794

Features

- One USB console controls two/four HDMI-interface computers
- Dolby True HD and DTS HD Master Audio support*
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching between ports
- HDCP compatible
- Audio enabled – full bass response provides a rich experience for 2.1 channel surround sound systems
- Superior video quality – supports 480i, 480p, 720p, 1080i and 1080p (HDTV) / 1920 x 1200 (DVI)
- Console mouse port emulation / bypass feature supports most mouse drivers and multifunction mice
- Power on detection – if one of the computers is powered off, the switch will automatically switch to the next powered-on computer
- Supports keyboard combinations via emulation (for Mac)

Note: * HD audio through HDMI interface

Specifications

Function		CS1792	CS1794
Ports		2	4
Interface	Console	USB, HDMI	
	Computer	USB, HDMI	
Platform Support	Windows, Linux	•	•
	Mac	•	•
	Sun	N/A	N/A
USB Hub Built-in		• (USB 2.0)	• (USB 2.0)
Multifunction Mouse		•	•
Audio		Speaker, Microphone	
Independent Switching		•*	•*
Port Selection		Hotkey, Pushbutton	
Emulation		USB	
Video Resolution		1080p (HDTV) / 1920 x 1200 (DVI)	
Wide Screen Support		•	•
Video DynaSync™		•	•
Firmware Upgradable		•	•
Scan Interval (Sec.)		1-99	
Power Consumption		DC 5.3V, 3.2W	DC 5.3V, 4.8W
Environment	Operation Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	0.42 kg	0.53 kg
	Dimensions (L x W x H)	20.63 x 7.24 x 4.40 cm	26.23 x 7.68 x 4.40 cm
Carton Lot		5 pcs	5 pcs

Note:
* HDMI HD audio through the HDMI monitor's built-in speakers can not be switched independently

Included Accessories

	CS1792	CS1794
HDMI KVM Cables	2	4
Firmware Upgrade Cable	•	•
Power Adapter	•	•

Optional Accessories

Type	Part No. / Spec.	Page No.
HDMI KVM Cable	2L-7D02UH (1.8 m)	12-3 R

CS1642A / CS1644A

2 / 4-Port USB DVI Dual Link Dual Display/Audio KVMP™ Switch

Dual Link

Supports Quad View with 2 Dual View KVM Switches

Console USB | Computers USB | DVI | Dual View | Audio Mic. & Speaker | USB 2.0 Peripherals | VDS Video DynaSync

Front

• CS1642A

• CS1644A

Rear

• CS1642A

• CS1644A

Specifications

Function		CS1642A	CS1644A
Ports		2	4
Interface	Console	USB, 2 x DVI (Dual Link)	
	Computer	USB, DVI (Dual Link)	
Platform Support	Windows, Linux	•	•
	Mac	•	•
	Sun	•	•
USB Hub Built-in		• (USB 2.0)	• (USB 2.0)
Multifunction Mouse		•	•
Audio		Speaker, Microphone	
Independent Switching		•	•
Port Selection		Hotkey, Pushbutton, Mouse*	
Emulation		USB	
Video Resolution		2560 x 1600 (DVI Dual Link), 1920 x 1200	
Wide Screen Support		•	•
3D Support		•	•
Video DynaSync™		•	•
Firmware Upgradable		•	•
Scan Interval (Sec.)		1-99	
Power Consumption		DC 5.3V, 10.6W	DC 5.3V, 12.19W
Environment	Operation Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	0.56 kg	2.32 kg
	Dimensions (L x W x H)	26.23 x 7.68 x 4.40 cm	43.72 x 15.98 x 4.40 cm
Carton Lot		5 pcs	5 pcs

Note:

* Mouse port switching is only functional under mouse emulation mode and USB 3-key wheel mouse

Features

- Supports Quad View by connecting two Dual View KVM switches
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching between ports
- HDCP compatible
- Customizable front panel pushbuttons – set the pushbutton with your favorite hotkey command to activate any function from the front panel
- Console expansion – easily connect multiple CS1642A / CS1644A units for an extended multi-view KVM console setup with more computers
- Built-in RJ-45 serial port for high-end system control
- One dual-screen USB console controls two/four computers
- Fully compliant with the DVI-Digital and DVI-Analog specification
- Audio enabled – full bass response provides a rich experience for 2.1 channel surround sound systems
- Console mouse port emulation / bypass feature supports most mouse drivers and multifunction mice
- Supports keyboard combinations via emulation (for Mac / Sun)

Included Accessories

	CS1642A	CS1644A
USB DVI-D Dual Link KVM Cables	2	4
DVI-D Dual Link Cables	2	4
Power Adapter	•	•

Optional Accessories

Type	Part No. / Spec.	Page No.
USB DVI-D Single Link KVM Cables	2L-7D02U (1.8 m), 2L-7D03U (3 m), 2L-7D05U (5 m)	12-3 O
USB DVI-I Single Link KVM Cable	2L-7D02UI (1.8 m), 2L-7D03UI (3 m)	12-3 O
USB DVI Dual Link KVM Cables	2L-7D02UD (1.8 m), 2L-7D03UD (3 m), 2L-7D05UD (5 m)	12-3 P
DVI-D Dual Link Cables	2L-7D02DD (1.8 m), 2L-7D03DD (3 m), 2L-7D05DD (5 m)	12-3 Q

CS1782A / CS1784A

2 / 4-Port USB DVI Dual Link/Audio KVMP™ Switch

Dual Link DVI & 7.1* Surround Sound USB KVMP™ Switch

Console USB | Computers USB | DVI | Audio Mic. & Speaker (CS1784A) | 7.1 Surround Sound (*CS1782A only) | VDS Video DynaSync | Mouse Port Switching

Front

• CS1782A

• CS1784A

Rear

• CS1782A

• CS1784A

Specifications

Function		CS1782A	CS1784A
Ports		2	4
Interface	Console	USB, DVI (Dual Link)	
	Computer	USB, DVI (Dual Link)	
Platform Support	Windows, Linux	•	•
	Mac	•	•
	Sun	•	•
USB Hub Built-in		• (USB 2.0)	• (USB 2.0)
Multifunction Mouse		•	•
Audio		Speaker (7.1), Microphone	Speaker, Microphone
Independent Switching		•	•
Port Selection		Hotkey, Pushbutton, Mouse*	
Emulation		USB	
Video Resolution		2560 x 1600 (DVI Dual Link), 1920 x 1200 (DVI Single Link)	
Wide Screen Support		•	•
3D Support		•	•
Video DynaSync™		•	•
Firmware Upgradable		•	•
Scan Interval (Sec.)		1-99	
Power Consumption		DC 5.3V, 9W	DC 5.3V, 10W
Environment	Operation Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	0.90 kg	0.93 kg
	Dimensions (L x W x H)	27.00 x 8.80 x 5.55 cm	27.00 x 8.80 x 5.55 cm
Carton Lot		5 pcs	5 pcs

Note:
* Mouse port switching is only functional under mouse emulation mode and USB 3-key wheel mouse

Features

- DVI digital and analog monitor support – fully compliant with the DVI specifications
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching between ports
- Full bass response for high quality 2.1 channel (CS1784A) / 7.1 channel surround sound systems (CS1782A)
- Superior video quality: 1920 x 1200 @ 60Hz (Single Link); 2560 x 1600 @ 60Hz (Dual Link): Works with cutting edge 120Hz LCD monitors and active shutter glasses to create a 3D environment with maximum resolution of up to 1920 x 1080 for your ideal workspace and entertainment
- 2 / 4-port DVI KVMP Switch with USB 2.0 and 7.1 / 2.1 surround sound audio
- HDCP compatible
- Power on detection – if one of the computers is powered off, the switch will automatically switch to the next powered-on computer
- Console mouse port emulation / bypass feature that supports most mouse drivers and multifunction mice
- Console keyboard emulation / bypass feature that supports most gaming / multimedia keyboards
- Multilingual keyboard mapping – supports English, French and Japanese keyboards
- Supports keyboard combinations via emulation (for Mac / Sun)

Included Accessories

	CS1782A	CS1784A
USB DVI-D Dual Link KVM Cables	2	4
Custom 7.1 Channel Surround Sound Cables	2	N/A
Power Adapter	•	•

1. Custom KVM Cable: 1.8 m x 2 (CS1782A); 1.8 m x 4 (CS1784A)
2. Channel Surround Sound Cable: 1.8 m x 2 (CS1782A)

Optional Accessories

Type	Part No. / Spec.	Page No.
USB DVI-D Single Link KVM Cables	2L-7D02U (1.8 m), 2L-7D03U (3 m), 2L-7D05U (5 m)	12-3 O
USB DVI-I Single Link KVM Cable	2L-7D02UI (1.8 m), 2L-7D03UI (3 m)	12-3 O
USB DVI-D Dual Link KVM Cables	2L-7D02UD (1.8 m), 2L-7D03UD (3 m), 2L-7D05UD (5 m)	12-3 P

CS1762A / CS1764A

2 / 4-Port USB DVI/Audio KVMP™ Switch

Control 2 / 4 DVI Computers from a single USB / DVI Console

Console USB | Computers USB | DVI | Audio Mic. & Speaker | USB 2.0 Peripherals | VDS Video DynaSync | Mouse Port Switching

Front

- CS1762A

- CS1764A

Rear

- CS1762A

- CS1764A

Features

- Fully compliant with the DVI-D and DVI-A specifications
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching between ports
- HDCP compatible
- One USB console controls two/four DVI computers
- Audio enabled – full bass response provides a rich experience for 2.1 channel surround sound systems
- Console mouse port emulation / bypass feature supports most mouse drivers and multifunction mice
- Power on detection – if one computer is powered off, the CS1762A / CS1764A will automatically switch to the next powered-on computer
- Multilingual keyboard mapping – supports English, French and Japanese keyboards
- Supports keyboard combinations via emulation (for Mac / Sun)

Specifications

Function		CS1762A	CS1764A
Ports		2	4
Interface	Console	USB, DVI	
	Computer	USB, DVI	
Platform Support	Windows, Linux	•	•
	Mac	•	•
	Sun	•	•
USB Hub Built-in		• (USB 2.0)	• (USB 2.0)
Multifunction Mouse		•	•
Audio		Speaker, Microphone	
Independent Switching		•	•
Port Selection		Hotkey, Pushbutton, Mouse*	
Emulation		USB	
Video Resolution		1920 x 1200	
Video DynaSync™		•	•
Firmware Upgradable		•	•
Scan Interval (Sec.)		1-99	
Power Consumption		DC 5.3V, 9.0W	DC 5.3V, 10.7W
Environment	Operation Temp.	0-50˚C	
	Storage Temp.	-20-60˚C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	0.73 kg	0.94 kg
	Dimensions (L x W x H)	21.00 x 8.80 x 5.55 cm	27.00 x 8.80 x 5.55 cm
Carton Lot		5 pcs	5 pcs

Note:

* Mouse port switching is only functional under mouse emulation mode and USB 3-key wheel mouse

Included Accessories

	CS1762A	CS1764A
USB DVI Single Link KVM Cables	2	4
Power Adapter	•	•

Optional Accessories

Type	Part No. / Spec.	Page No.
USB DVI-D Single Link KVM Cables	2L-7D02U (1.8 m), 2L-7D03U (3 m), 2L-7D05U (5 m)	12-3 O
USB DVI-I Single Link KVM Cables	2L-7D02UI (1.8 m), 2L-7D03UI (3 m)	12-3 O

CS72D / CS74D

2 / 4-Port USB DVI/Audio Slim KVM Switch

Console USB | Computers USB, DVI-D | DVI | Mouse Port Switching | Audio Speaker | VDS Video DynaSync | Multifunction mice

Front

• CS72D

• CS74D

Rear

• CS72D

• CS74D

• CS72D / CS74D

Features

- Compact size with ergonomic style
- HDCP compatible
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching between ports
- USB 2.0 mouse port can be used as a USB hub and for USB peripheral sharing
- Fully compliant with DVI specification (digital only)
- Supports wireless mouse / keyboard
- Console mouse port emulation / bypass feature supports most mouse drivers and multi-function mice
- Audio enabled – full bass response provides a rich experience for 2.1 channel surround sound systems
- Power on detection – if one computer is powered off, the switch will automatically switch to the next powered-on computer
- Complete keyboard emulation for error-free booting
- Bus-powered (CS72D only)
- Supports keyboard combinations via emulation (for Mac / Sun)

Specifications

Function		CS72D	CS74D
Ports		2	4
Interface	Console	USB, DVI	
	Computer	USB, DVI	
Platform Support	Windows, Linux	•	•
	Mac	•	•
	Sun	•	•
USB Hub Built-in		N/A	N/A
Multifunction Mouse		•	•
Audio		Speaker	
Independent Switching		•	•
Port Selection		Hotkey, Pushbutton, Mouse*	
Emulation		USB	
Video Resolution		1920 x 1200	
Video DynaSync™		•	•
Firmware Upgradable		•	•
Scan Interval (Sec.)		3, 5, 10, 20	
Power Consumption		DC 5.0V, 5.0W	DC 5.3V, 5.3W
Environment	Operation Temp.	0-50˚C	
	Storage Temp.	-20-60˚C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	0.33 kg	0.51 kg
	Dimensions (L x W x H)	12.50 x 8.20 x 2.50 cm	20.00 x 8.20 x 2.50 cm
Carton Lot		10 pcs	5 pcs

Note:
* Mouse port switching is only functional under mouse emulation mode and USB 3-key wheel mouse

Included Accessories

	CS72D	CS74D
1.2 m 44-pin Custom KVM Cable Set	•	•
1.8 m 44-pin Custom KVM Cable Set	N/A	•
Power Adapter	N/A	•

CS1742 / CS1744

2 / 4-Port USB VGA Dual Display/Audio KVMP™ Switch

Dual Display (2 VGA Card PC) USB KVM Switch + Audio

Console: USB | Computers: SPHD, USB,VGA | Computers: SPHD, Audio, VGA | Dual View | Audio: Mic. & Speaker | USB Peripherals | Bus-Powered

Front

• CS1742

• CS1744

Rear

• CS1742

• CS1744

Features

- One dual-screen USB console controls two/four dual display computers
- Audio enabled – full bass response provides a rich experience for 2.1 channel surround sound systems
- Supports keyboard combinations via emulation (for Mac / Sun)
- Multiplatform support: compatible with all operation platforms PC – Windows, Linux, Mac and Sun
- Buzzer on/off via hotkey
- Keyboard and mouse emulation for error free booting

Specifications

Function		CS1742	CS1744
Ports		2	4
Interface	Console	USB, 2 x HDB-15	
	Computer	USB, HDB-15 (SPHD)	
Platform Support	Windows, Linux	•	•
	Mac	•	•
	Sun	•	•
USB Hub Built-in		•	•
Multifunction Mouse		•	•
Audio		Speaker, Microphone	
Independent Switching		•	•
Port Selection		Hotkey, Pushbutton	
Emulation		USB	
Video Resolution		2048 x 1536; DDC2B	
Firmware Upgradable		•	•
Scan Interval (Sec.)		1-99	
Power Consumption		DC 5V, 1.25W	DC 5V, 1.35W
Environment	Operation Temp.	0-50˚C	
	Storage Temp.	-20-60˚C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	0.82 kg	1.03 kg
	Dimensions (L x W x H)	21.00 x 8.80 x 5.55 cm	27.00 x 8.80 x 5.55 cm
Carton Lot		10 pcs	5 pcs

Included Accessories

	CS1742	CS1744
KVM Cables (Audio / Video)	2	4
KVM Cables (USB / Video)	2	4
Firmware Upgrade Cable	•	•

Optional Accessories

Type	Part No. / Spec.	Page No.
Audio / Video KVM Cables	2L-5202A (1.8 m), 2L-5203A (3 m), 2L-5205A (5 m)	12-1 F
USB / Video KVM Cables	2L-5201U (1.2 m), 2L-5202U (1.8 m), 2L-5203U (3 m), 2L-5205U (5 m)	12-2 N
Power Adapter	DC 5V, 2.6A	N/A

CS1732B / CS1734B

2 / 4-Port PS/2-USB VGA/Audio KVMP™ Switch with OSD

Advanced USB 2.0 KVMP™ Switch + Audio + OSD

Console USB | Computers PS/2, USB | Audio Mic. & Speaker | OSD | USB 2.0 Peripherals | VDS Video DynaSync | Wide Screen Support

Front

• CS1732B

• CS1734B

Rear

• CS1732B

• CS1734B

Features

- Dual Interface – supports computers with PS/2 or USB keyboards and mice configurations
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching between ports
- Supports multilingual OSD operation
- One USB console controls two/four computers
- Audio enabled – full bass response provides a rich experience for 2.1 surround sound systems
- Console audio ports on front panel for easy access – ideal for IP phones
- Console mouse port emulation / bypass feature supports most mouse drivers and multifunction mice
- Supports keyboard combinations via emulation (for Mac / Sun)

Specifications

Function		CS1732B	CS1734B
Ports		2	4
Interface	Console	USB, HDB-15	
	Computer	PS/2 or USB, HDB-15 (SPHD)	
Platform Support	Windows, Linux	•	•
	Mac	•	•
	Sun	•	•
USB Hub Built-in		• (USB 2.0)	• (USB 2.0)
Ethernet Hub Built-in		N/A	N/A
Multifunction Mouse		•	•
Audio		Speaker, Microphone	
Independent Switching		•	•
Port Selection		Hotkey, Pushbutton, OSD, Mouse	
Emulation		PS/2, USB	
Video Resolution		2048 x 1536; DDC2B	
Wide Screen Support		•	•
Firmware Upgradable		•	•
Scan Interval (Sec.)		1-255	
Non-Powered		N/A	N/A
Power Consumption		DC 5.3V, 3.1W	DC 5.3V, 3.4W
Environment	Operation Temp.	0-50˚C	
	Storage Temp.	-20-60˚C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	0.55 kg	0.78 kg
	Dimensions (L x W x H)	14.00 x 8.80 x 5.55 cm	21.00 x 8.80 x 5.55 cm
Carton Lot		10 pcs	5 pcs

Included Accessories

	CS1732B	CS1734B
USB KVM Cables	2	4
Firmware Upgrade Cable	•	•
Power Adapter	•	•

Optional Accessories

Type	Part No. / Spec.	Page No.
PS/2 KVM Cables	2L-5301P (1.2 m), 2L-5302P (1.8 m), 2L-5303P (3 m), 2L-5305P (5 m)	12-2 M
USB KVM Cables	2L-5301U(1.2m) , 2L-5302U (1.8 m), 2L-5303U (3 m), 2L-5305U (5 m)	12-2 L

CS1732A / CS1734A

2 / 4-Port PS/2-USB VGA/Audio KVMP™ Switch

All-in-one Combo Desktop KVM Switch + Audio

Front

• CS1732A

• CS1734A

Rear

• CS1732A

• CS1734A

Features

- Dual interface supports computers with PS/2 or USB keyboards and mice
- Auto PS/2 and USB interface detection
- Audio enabled - full bass response provides a rich experience for 2.1 channel surround sound systems
- One USB console controls two/four computers and additional USB devices
- Keyboard and mouse emulation for error free booting
- Buzzer on/off via hotkey
- Multiplatform support: compatible with Windows, Linux, Mac and Sun

Specifications

Function		CS1732A	CS1734A
Ports		2	4
Interface	Console	USB, HDB-15	
	Computer	PS/2 or USB, HDB-15 (SPHD)	
Platform Support	Windows, Linux	•	•
	Mac	•	•
	Sun	•	•
USB Hub Built-in		•	•
Ethernet Hub Built-in		N/A	N/A
Multifunction Mouse		•*	•*
Audio		Speaker, Microphone	
Independent Switching		•	•
Port Selection		Hotkey, Pushbutton	
Emulation		PS/2, USB	
Video Resolution		2048 x 1536; DDC2B	
Firmware Upgradable		•	•
Scan Interval (Sec.)		1-99	
Non-Powered		•	•
Power Consumption		DC 5V, 1.2W	DC 5V, 1.25W
Environment	Operation Temp.	0-50˚C	
	Storage Temp.	-20-60˚C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	0.55 kg	0.78 kg
	Dimensions (L x W x H)	14.00 x 8.80 x 5.55 cm	21.00 x 8.80 x 5.55 cm
Carton Lot		10 pcs	5 pcs

Note:
* Not all multifunction mice fully support

Included Accessories

	CS1732A	CS1734A
USB KVM Cables	2	4
Firmware Upgrade Cable	•	•

Optional Accessories

Type	Part No. / Spec.	Page No.
PS/2 KVM Cables	2L-5301P (1.2 m), 2L-5302P (1.8 m), 2L-5303P (3 m), 2L-5305P (5 m)	12-2 M
USB KVM Cables	2L-5301U (1.2m), 2L-5302U (1.8 m), 2L-5303U (3 m), 2L-5305U (5 m)	12-2 L
Power Adapter	DC 5V, 2.6A	N/A

CS1774

4-Port USB VGA/Audio KVME™ Switch with Ethernet Hub

Full-functioned USB 2.0 KVM Switch + Ethernet Hub

TAIWAN EXCELLENCE

Console USB | Computers SPHD USB | Ethernet Hub Built in | Audio Mic. & Speaker | Multifunction mice | USB 2.0 Peripherals

Front

Rear

Features

- Five auto-sensing dual speed ports (Ethernet / Fast Ethernet) plug-and-play enabled; hub complies with IEEE 802.3 / IEEE 802.3u standard
- One USB console controls four computers
- Audio enabled – full bass response provides a rich experience for 2.1 channel surround sound systems
- Supports keyboard combinations via emulation (for Mac / Sun)

Specifications

Function		CS1774
Ports		4
Interface	Console	USB, HDB-15
	Computer	USB, HDB-15 (SPHD)
Platform Support	Windows, Linux	•
	Mac	•
	Sun	•
USB Hub Built-in		• (USB 2.0)
Multifunction Mouse		•*
Audio		Speaker, Microphone
Independent Switching		•
Port Selection		Hotkey, Pushbutton
Emulation		USB
Video Resolution		2048 x 1536; DDC2B
Firmware Upgradable		•
Scan Interval (Sec.)		1-99
Power Consumption		DC 5.3V, 5W
Environment	Operation Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	0.92 kg
	Dimensions (L x W x H)	27.00 x 8.80 x 5.55 cm
Carton Lot		5 pcs

Note:
* Not all multifunction mice fully support

Included Accessories

	CS1774
USB KVM Cables	4
Firmware Upgrade Cable	•
Power Adapter	•

Optional Accessories

Type	Part No. / Spec.	Page No.
USB KVM Cables	2L-5302UU (1.8 m), 2L-5303UU (3 m), 2L-5305UU (5 m)	12-2 H

CS82U / CS84U

2 / 4-Port PS/2-USB VGA KVM Switch

Console PS/2,USB | Computers PS/2, USB | VDS Video DynaSync | Gaming Keyboard Support | Mouse Port Switching | Wide Screen Support | Bus-Powered

Front

• CS82U

• CS84U

Rear

• CS82U

• CS84U

Features

- Dual Interface - supports computers with PS/2 or USB keyboards and mice
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes the resolution when switching between ports
- One USB-PS/2 VGA console controls two/four computers
- USB mouse port can be used as a USB 1.1 hub and for USB 1.1 peripheral sharing
- Console mouse port emulation / bypass feature supports most mouse drivers and multifunction mice
- Supports most gaming keyboards
- Multilingual keyboard mapping – supports English, Japanese and French keyboards
- Supports keyboard combinations via emulation (for Mac / Sun)

Specifications

Function		CS82U	CS84U
Ports		2	4
Interface	Console	PS/2 or USB, HDB-15	
	Computer	PS/2 or USB, HDB-15 (SPHD)	
Platform Support	Windows, Linux	•	•
	Mac	•	•
	Sun	•	•
USB Hub Built-in		N/A	N/A
Multifunction Mouse		•	•
Audio		N/A	N/A
Port Selection		Hotkey, Pushbutton, Mouse*	
Emulation		PS/2, USB	
Video Resolution		2048 x 1536; DDC2B	
Firmware Upgradable		•	•
Scan Interval (Sec.)		3, 5, 10, 20	
Non-Powered		•	•
Power Consumption		DC 5V, 1.1W	DC 5V, 1.2W
Environment	Operation Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	0.54 kg	0.78 kg
	Dimensions (L x W x H)	14.00 x 8.80 x 5.55 cm	21.00 x 8.80 x 5.55 cm
Carton Lot		10 pcs	5 pcs

Note:
*Mouse port switching is only functional under mouse emulation mode and USB 3-key wheel mouse

Included Accessory

	CS82U	CS84U
PS/2-USB KVM Cables	2	4

Optional Accessories

Type	Part No. / Spec.	Page No.
PS/2-USB KVM Cables	2L-5301UP (1.2 m), 2L-5302UP (1.8 m), 2L-5303UP (3 m)	12-2 G
USB KVM Cables	2L-5201U (1.2 m), 2L-5202U (1.8 m), 2L-5203U (3 m), 2L-5205U (5 m)	12-2 N
Power Adapter	DC 5V, 2.6A	N/A

CS72U / CS74U

2 / 4-Port USB VGA/Audio KVM Switch

Front

• CS72U

• CS74U

Rear

• CS72U

• CS74U

Features

- One USB VGA console controls two/four computers
- Audio enabled – full bass response provides a rich experience for 2.1 channel surround sound systems
- Supports USB hot-plugging
- Bus-powered

Specifications

Function		CS72U	CS74U
Ports		2	4
Interface	Console	USB, HDB-15	
	Computer	USB, HDB-15 (SPHD)	
Platform Support	Windows, Linux	•	•
	Mac	•	•
	Sun	•	•
USB Hub Built-in		N/A	N/A
Audio		Speaker, Microphone	
Port Selection		Pushbutton	
Emulation		USB	
Video Resolution		2048 x 1536; DDC2B	
Non-Powered		•	•
Power Consumption		DC 5V, 0.5W	
Environment	Operation Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	0.45 kg	0.64 kg
	Dimensions (L x W x H)	13.00 x 7.65 x 4.40 cm	20.00 x 7.65 x 4.40 cm
Carton Lot		10 pcs	5 pcs

Included Accessory

	CS72U	CS74U
USB KVM Cables	2	4

Optional Accessories

Type	Part No. / Spec.	Page No.
USB KVM Cables	2L-5201U (1.2 m), 2L-5202U (1.8 m), 2L-5203U (3 m), 2L-5205U (5 m)	12-2 N
Power Adapter	DC 5V, 2.6A	N/A

CS82A / CS84A

2 / 4-Port PS/2 VGA KVM Switch

Front

• CS82A

• CS84A

Rear

• CS82A

• CS84A

Features

- One PS/2 console controls two/four computers
- Compact, sturdy, durable metal housing
- Keyboard and mouse emulation for error-free booting
- Auto Scan function to monitor computer operation
- Bus-powered

Specifications

Function		CS82A	CS84A
Ports		2	4
Interface	Console	PS/2, HDB-15	
	Computer	PS/2, HDB-15	
Platform Support	Windows, Linux	•	•
	Mac	•*	•*
	Sun	•*	•*
USB Hub Built-in		N/A	N/A
Port Selection		Hotkey, Pushbutton	
Audio		N/A	N/A
Emulation		PS/2	
Video Resolution		1920 x 1440; DDC2B	
Scan Interval (Sec.)		3, 5, 10, 20	5
Non-Powered		•	•
Power Consumption		DC 9V, 1.08W	DC 9V, 1.17W
Environment	Operation Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	0.54 kg	0.78 kg
	Dimensions (L x W x H)	14.00 x 8.80 x 5.55 cm	21.00 x 8.80 x 5.55 cm
Carton Lot		10 pcs	5 pcs

Note:
* Requires Converter / Cable

Included Accessory

	CS82A	CS84A
PS/2 KVM Cables	2	4

Optional Accessories

Type	Part No. / Spec.	Page No.
PS/2 KVM Cables	2L-1001P/C (1.8 m), 2L-1003P/C (3 m), 2L-1005P/C (5 m), 2L-1006P/C (6 m), 2L-1010P/C (10 m), 2L-1020P/C (20 m) 2L-5001P/C (1.2 m), 2L-5002P/C (1.8 m), 2L-5003P/C (3 m), 2L-5005P/C (5 m)	12-1 A
Cables & Converters for USB Interface Support	2L-5502UP (1.8 m), 2L-5503UP (3 m), 2L-5506UP (6 m) Supports Mac Keyboards Emulation: UC100KMA Supports Sun Keyboards Emulation: CV131B	12-1 B 9-3 9-4
Power Adapter	DC 9V, 300mA	N/A

CS72E / CS74E

2 / 4-Port PS/2 VGA Slim KVM Switch

Front

• CS72E

• CS74E

Rear

• CS72E

• CS74E

Features

- One PS/2 console controls two/four computers
- Compact, modern case for convenient attractive placement
- Custom connector layout
- Keyboard and mouse emulation for error-free booting
- Auto Scan function to monitor computer operation
- Bus-powered

Specifications

Model No.		CS72E	CS74E
Ports		2	4
Interface	Console	PS/2, HDB-15 (SPHD)	
	Computer	PS/2, HDB-15 (SPHD)	
Platform Support	Windows, Linux	•	•
	Mac	•*	•*
	Sun	•*	•*
USB Hub Built-in		N/A	N/A
Port Selection		Hotkey, Pushbutton	
Audio		N/A	N/A
Emulation		PS/2	
Video Resolution		2048 x 1536; DDC2B	
Scan Interval (Sec.)		5	
Non-Powered		•	•
Power Consumption		DC 9V, 0.9W	DC 9V, 1.35W
Environment	Operation Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	0.32 kg	0.49 kg
	Dimensions (L x W x H)	12.50 x 8.15 x 2.50 cm	20.00 x 8.15 x 2.50 cm
Carton Lot		10 pcs	10 pcs

Note:
* Requires Converter / Cable

Included Accessories

	CS72E	CS74E
PS/2 KVM Cables	2	4
Console Cable	•	•

Optional Accessories

Type	Part No. / Spec.	Page No.
PS/2 KVM Cables	2L-5201P (1.2 m), 2L-5202P / 2L-5702P (1.8 m), 2L-5203P (3 m), 2L-5206P (6 m)	12-1 C, D
Cables & Converters for USB Interface Support	2L-5202UP (1.8 m), 2L-5203UP (3 m), 2L-5205UP (5 m), 2L-5206UP (6 m) Supports Mac Keyboards Emulation: UC100KMA Supports Sun Keyboards Emulation: CV131A	12-1 E 9-3
Power Adapter	DC 9V, 300mA	N/A

Computer Sharing Devices

CS261

USB DVI Computer Sharing Device

Share a DVI computer with two consoles (USB compatible)

Console USB | Computers USB | DVI | RS-232 Channel | EDID

Front

Rear

ATEN Computer Sharing Devices enable two users to share the programs, files, and resources of a single computer from two separate consoles.

Features

- Single computer is shared by two USB consoles
- Manual or auto console selection
- Superior video quality: Supports resolutions up to 1080p, 1920 x 1200 and 4K2K @ 30Hz
- Multiple EDID modes: Selects optimum EDID settings for smooth power-up and highest quality display
- Support RS-232 serial commands: For switching operation and system configuration
- On screen display informs user when system is in use
- Private mode for a privileged user
- Screensaver function
- Mac / Sun keyboard support and emulation*
- HDCP 1.4 Compatible
- No Software required

Note:
* For PC compatible computers. Mac and Sun computers must be compatible with USB connections. PC keyboard combinations emulate Mac / Sun keyboards; Mac / Sun keyboards work only with their own computers.

Specifications

Function		CS261
Computer Connections		1
Console Connections		2
Interface	Console	USB, DVI-D
	Computer	USB, DVI-D
Multiplatform Support		Windows, Linux, Mac, Sun
Auto Mode		•
Manual Mode		•
Console Selection		Pushbutton, RS-232, Hotkey*
Private Mode		•
OSD Information		•
Screen Saver		•
Firmware Upgradable		•
Timeout Setting		•
Hotkey Operation		•
Keyboard Emulation Mapping		•
Power Consumption		DC5V, 4.7W
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	0.72 kg
	Dimensions (L x W x H)	21.00 x 8.80 x 5.55 cm
Carton Lot		5 pcs

Note:
* Selecting the console via hotkeys only works in Manual Mode.

Included Accessories

	CS261
USB DVI-D Single Link KVM Cables	•
Power Adapter	•

Optional Accessories

Type	Part No. / Spec.	Page No.
USB DVI-D Single Link KVM Cables	2L-7D02U (1.8 m), 2L-7D03U (3 m), 2L-7D05U (5 m)	12-3 O
HDMI to DVI Adapter	2A-128G	12-3
HDMI to DVI Adapter	2A-127G	12-3

CS231

USB VGA Computer Sharing Device

Share a VGA computer with two consoles (USB, PS/2 compatible)

Front

Rear

Features

- Single computer is shared by two USB consoles
- Manual or auto console selection
- On screen display informs user when system is in use
- Private mode for a privileged user
- Screensaver function
- Supports USB and PS/2 computers
- Supports VGA and SVGA multisync monitors
- Mac keyboard support and emulation*
- No software required

Note:
* For PC compatible computers. Mac computers must be compatible with USB connections. PC keyboard combinations emulate Mac keyboards; Mac keyboards work only with their own computers.

Specifications

Function		CS231
Computer Connections		1
Console Connections		2
Interface	Console	USB, HDB-15
	Computer	PS/2 or USB, HDB-15 (SPHD)
Multiplatform Support		Windows, Linux, Mac, Unix
Auto Mode		•
Manual Mode		•
Console Selection		Pushbutton, Hotkey*
Private Mode		•
OSD Information		•
Screen Saver		•
Firmware Upgradable		•
Timeout Setting		•
Hotkey Operation		•
Keyboard Emulation Mapping		•
Power Consumption		DC5.3V, 2.2W
Environment	Operating Temp.	0-50˚C
	Storage Temp.	-20-60˚C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Metal
	Weight	0.56 kg
	Dimensions (L x W x H)	14.00 x 8.80 x 5.55 cm
Carton Lot		10 pcs

Note:
* Seleting console via hotkey words within Manual Mode.

Included Accessories

	CS231
USB KVM Cable	•
Firmware Upgrade Cable	•
Power Adapter	•

Optional Accessories

Type	Part No. / Spec.	Page No.
USB KVM Cables	2L-5201U (1.2 m), 2L-5202U (1.8 m), 2L-5203U (3 m), 2L-5205U (5 m)	12-2 N
PS/2 KVM Cables	2L-5201P(1.2 m), 2L-5202P / 2L-5702P (1.8 m), 2L-5203P (3 m), 2L-5206P (6 m)	12-1 C, D
Adapters for PS/2 Console Support	PS/2 to USB Converter: UC10KM	9-2

KVM Modules & Included Accessories

Converters / Emulators

ATEN provides a series of KVM switches which feature multiplatform support. In addition, we offer a host of converters to enable your PS/2 KVM switches to support USB, Sun and Mac computers. By using ATEN converters, you eliminate the high cost and downtime associated with replacing KVM switches.

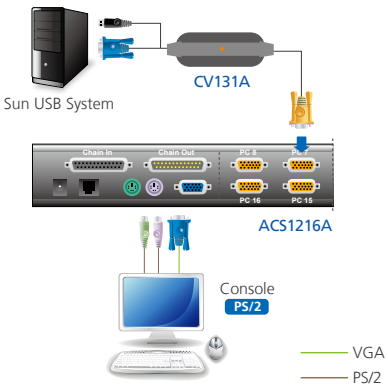
Note:

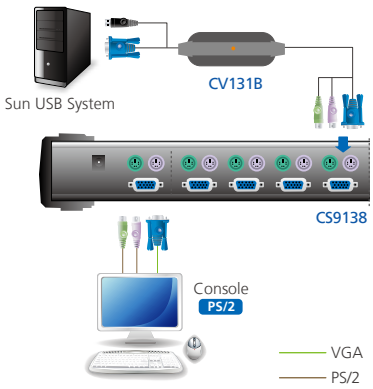
The features highlighted above are not available in all products. Please refer to each product page for more details.

Product information is subject to change without prior notice.

• Sun Converters

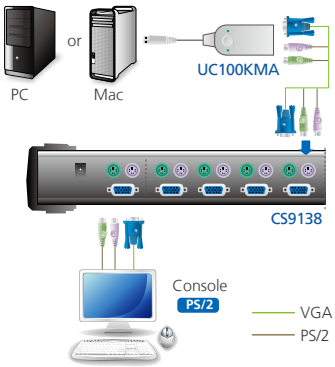
For Sun USB Systems >



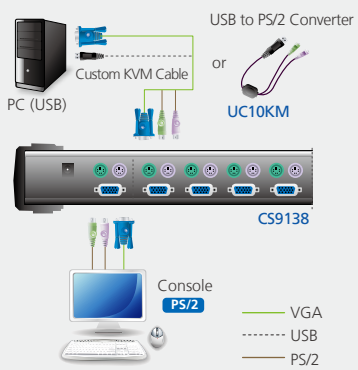


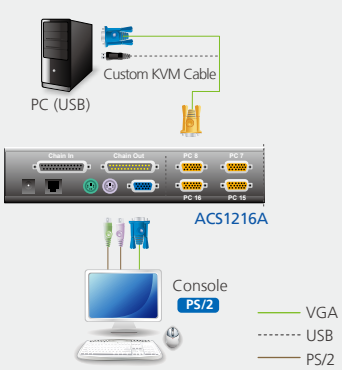
• USB Converters

For PC / Mac / Sun >



For PC only >





Note :

* Custom KVM cables are in various lengths. Please refer to page 11-1

CV100KM

PS/2 Emulator

OS Support: Win, Linux, FreeBSD | Non-Powered

Features

- Ends computer lockup due to loss of KVM focus
- Prevents computer damage from keyboard failure
- Hot-plugging of keyboard and mouse
- Keyboardless boot and run

Specifications

Function		CV100KM
Model Name		PS/2 Emulator
To Computer		PS/2
To Switch		PS/2
Non-Powered		•
OS Support		Win2000 / XP / 7 / 8, Linux, FreeBSD
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Plastic
	Weight	0.08 kg
	Dimensions (L x W x H)	9.15 x 4.70 x 2.50 cm
Carton Lot		40 pcs

UC10KM

PS/2 to USB Adapter (90 cm)

OS Support: Win, Linux, FreeBSD | Non-Powered

Features

- Two PS/2 devices (keyboard and mouse) to USB Interface converter
- Supports PS/2 and Microsoft IntelliMouse mice
- Compatible with KVM switches
- USB 1.1 compliant
- Easy installation – no software required

Specifications

Function		UC10KM
Model Name		PS/2 to USB Converter
To Computer		USB
To Switch		PS/2
Non-Powered		•
OS Support		Windows, Linux, FreeBSD
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Plastic
	Weight	0.06 kg
	Dimensions (L x W x H)	1.50 x 3.70 x 1.10 cm
Carton Lot		40 pcs

UC100KMA

PS/2 to USB Adapter with Mac support (30 cm)

OS Support: Win, Mac, Linux, Sun, FreeBSD | Non-Powered

Features

- Two PS/2 devices (keyboard and mouse) to USB Interface converter
- Supports PS/2 and Microsoft IntelliMouse mice
- Compatible with KVM switches
- USB 1.1 compliant
- Easy installation – no software required
- Hotkey selection for OS and keyboard language

Specifications

Function		UC100KMA
Model Name		PS/2 to USB Adapter with MAC Support
To Computer		USB
To Switch		PS/2
OS Selection		•
Keyboard Language Selection		•
Non-Powered		•
OS Support		Windows, Mac, Sun, FreeBSD, Linux
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Plastic
	Weight	0.08 kg
	Dimensions (L x W x H)	9.15 x 4.70 x 2.50 cm
Carton Lot		40 pcs

CV131A

Sun Console Converter (SPHD Connector)

USB Sun USB, Sun Friendly | Non-Powered

Features

- Translates PS/2 keyboard, mouse and VGA signals to Sun USB keyboard, mouse and monitor signals
- Compatible with Sun USB systems
- Compatible with ATEN's SPHD* equipped KVM switches and console extenders
- Keyboard language selection via simple hotkeys
- High quality molded connectors
- Supports PS/2 and Microsoft IntelliMouse mice
- Composite sync video support
- Supports high resolution video – including Sun 1152 x 900, 1280 x 1024 and 1600 x 1200

Specifications

Function		CV131A
To Sun System		Sun USB System
To Switch		SPHD*
Connectors (Sun System Side)		HDB-15
		USB Type A
Connectors (Switch Side)		SPHD*
Non-Powered		•
Video Resolution		1600 x 1200
Emulation		Sun
Keyboard Language Selection		•
Molded Connector		•
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Plastic
	Weight	0.20 kg
	Cable Length	1.8 m
	Dimensions (L x W x H)	10.65 x 4.20 x 2.07 cm
Carton Lot		20 pcs

Note:
* Compatible with SPHD PS/2 and combo products only

CV131B

Sun Console Converter

USB Sun
USB, Sun Friendly

Non-Powered

Features

- Translates PS/2 keyboard, mouse and VGA signals to Sun USB keyboard, mouse and monitor signals
- Compatible with Sun USB systems
- Compatible with PS/2 equipped KVM switches and console extenders
- Keyboard language selection via simple hotkeys
- High quality molded connectors
- Supports PS/2 and Microsoft IntelliMouse mice
- Composite sync video support
- Supports high resolution video – including Sun 1152 x 900, 1280 x 1024 and 1600 x 1200

Specifications

Function		CV131B
To Sun System		Sun USB System
To Switch		PS/2 & HDB-15
Connectors (Sun System Side)		HDB-15
		USB Type A
Connectors (Switch Side)		HDB-15
		PS/2 x 2
Non-Powered		•
Video Resolution		1600 x 1200
Emulation		Sun
Keyboard Language Selection		•
Molded Connector		•
Environment	Operating Temp.	0-50˚C
	Storage Temp.	-20-60˚C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Plastic
	Weight	0.21 kg
	Cable Length	1.8 m
	Dimensions (L x W x H)	10.65 x 4.20 x 2.07 cm
Carton Lot		20 pcs

Thunderbolt & USB

ATEN offers a range of Thunderbolt and USB connectivity solutions to suit a wide variety of users and their applications. Our USB products give you the freedom to connect high-speed devices like external storage drives, Optical drives, printers and more.

- **Peripheral Switches**

  ATEN Thunderbolt and USB peripheral switches allow 2 to 4 computers to share the use of Thunderbolt / USB 1.1 / 2.0 / 3.1 peripheral devices on a one-at-a-time basis.

- **USB Hubs**

  ATEN offers 4 port compact USB hubs for desktop and laptop computers. These are ideal for users who need to connect multiple devices like keyboards, mice, printers, scanners, and flash drives.

- **USB Converters**

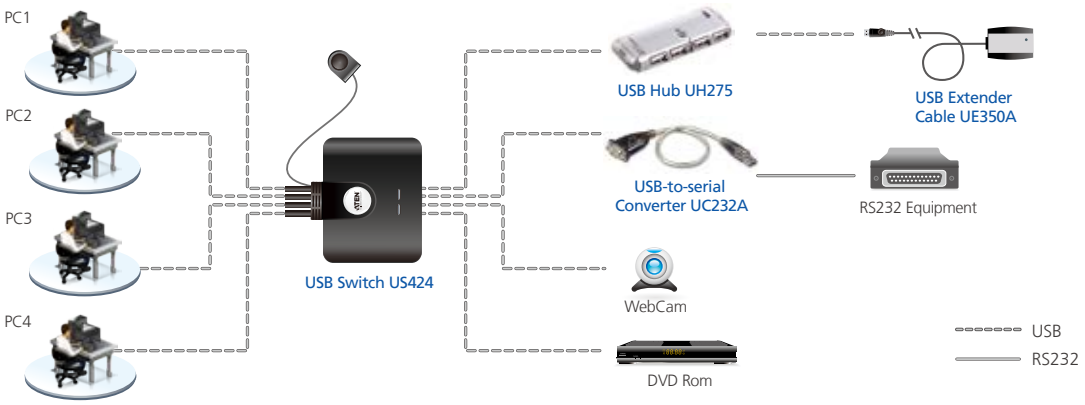
  ATEN USB-to-serial and USB-to-parallel converters aid in the transition to USB by allowing devices with traditional interfaces to communicate over USB interfaces. These converters help extend the useful life of your peripheral devices thereby protecting your investment.

- **USB Extender**

  USB extender cables allow you to extend the distance between your computer and USB peripheral devices by several meters. These cables correct and transmit the signals as necessary to ensure optimal signal integrity.

  ATEN USB Extenders support USB 1.1 to USB 3.1 standard. They also extend the distance between your computer and USB peripheral devices from 5 m to 100 m.

Note:
The features highlighted above are not available in all products. Please refer to each product page for more details.
Product information is subject to change without prior notice.



Feature Comparison

Type	Model No.	Host	Interface	Port	Interface	Non-Powered
Peripheral Switches	US7220	2	Thunderbolt 2	11	Thunderbolt 2 / HDMI / USB 3.0 / USB 2.0 / eSATA / Mini TOSLINK Line In / Out, GbE LAN Port	N/A
	US234	2	USB	4	USB 3.0	• (Optional)
	US434	4	USB	4	USB 3.0	• (Optional)
	US224	2	USB	4	USB 2.0	• (Optional)
	US424	4	USB	4	USB 2.0	• (Optional)
	US221A	2	USB	1	USB 2.0	•
	US421A	4	USB	1	USB 2.0	•
USB Hubs	UH275	1	USB	4	USB 2.0	• (Optional)
	UH284	1	USB	4	USB 2.0	• (Optional)
USB Converters	UC1284B	N/A	USB	N/A	C-36 Parallel	•
	UC232A	N/A	USB	N/A	RS-232	•
	UC2322	1	USB	2	RS-232	• (Optional)
	UC2324	1	USB	4	RS-232	• (Optional)
	UC4852	1	USB	2	RS-485	• (Optional)
	UC4854	1	USB	4	RS-485	• (Optional)
	UC3002	1	USB-C	1	VGA	•
	UC3008	1	USB-C	1	HDMI	•

Type	Model No.	Distance	Ports	Input	Output	Non-Powered
USB Extenders	UE150	5 m	1	USB 1.1	USB 1.1	•
	UE250	5 m	1	USB 2.0	USB 2.0	•
	UE350A	5 m	1	USB 3.1 Gen 1	USB 3.1 Gen 1	•
	UE2120	12 m	1	USB 2.0	USB 2.0	•
	UE2120H	12 m	4	USB 2.0	USB 2.0	• (Optional)
	UCE60	60 m	1	USB 1.1	USB 1.1	• (Optional)
	UCE260	60 m	1	USB 2.0	USB 2.0	N/A
	UEH4002	100 m	4	USB 2.0	USB 2.0	N/A

UH275 / UH284

4-Port USB 2.0 Hub
4-Port USB 2.0 Hub with Magnetic

OS Support: Win

Non-Powered

• UH275

• UH284

Features

- Compact design, easy to store anywhere
- Built-in magnet pad for quick mount and easy movement (UH284)
- Available in silver, black and burgundy (UH284)
- Provides 4 additional USB 2.0 ports to existing USB Systems
- 4 independent, fully functional, 480 Mbps downstream ports
- Fully compliant with the USB 2.0 specification
- Backward compatible with USB 1.1
- Supports transfer rates of 1.5 / 12 / 480 Mbps
- Per port overcurrent protection
- Plug and play

Specifications

Function		UH275	UH284
Type		USB	
Port		4	
Connector	Upstream	1 x USB Type A	1 x USB Type B
	Downstream	4 x USB Type A	
Standard		USB 2.0	
Data Transfer Rate		1.5 / 12 / 480 Mbps	
Plug-n-Play		•	•
Compact Design		•	•
Power Mode		Bus / Self	
Cable Included		• (Built-in)	•
Environment	Operating Temp.	0-40˚C	0-40˚C
	Storage Temp.	-20-60˚C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Plastic	
	Weight	0.04 kg	0.04 kg
	Dimension (L x W x H)	9.00 x 3.85 x 1.20 cm	8.30 x 3.40 x 1.47 cm
Carton Lot		20 pcs	40 pcs

Included Accessories

	UH275*	UH284
Power Adapter	•	N/A
USB Cables	N/A	•

Note:
* Model with power adapter included only

UC1284B

USB to IEEE128 Printer Adapter (1.8 m)

OS Support
Win

Features

- Converts the USB on PCs, notebook PCs and handheld computing devices into a parallel port for printer connection
- Fully bidirectional to ensure compatibility with today's latest printers
- 1 USB Type A connector for standard USB cable connection
- 1 C-36 parallel connector
- Non-powered
- Max. throughput: 1.2 Mbits / Sec (ECP Mode)

Specifications

Function		UC1284B
Name		USB Parallel Printer Cable
Connector 1		USB Type A
Connector 2		1 x C-36
Standard		USB 1.1
Data Transfer Rate		1.2 Mbits / Sec
OS Support		Windows
Cable Built-in		1.8 m
Power Mode		Bus
Environment	Operation Temp.	0-40°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Plastic
	Weight	0.11 kg
	Dimensions (L x W x H)	5.30 x 4.30 x 1.95 cm
Carton Lot		40 pcs

UE350A

5m USB 3.1 Gen1 Extender Cable

OS Support
Windows XP and Higher

USB 3.0

Features

- Extends the distance of one USB device up to 5 m (16 ft)
- USB 3.1 Gen 1, 2.0 and 1.1 compatible
- Built-in USB 3.1 Gen 1 Hub IC – fully supports hot swapping for a variety of USB 1.1 / 2.0 / 3.1 Gen 1 devices
- Supports USB super-speed (5 Gbps)
- Plug and play – no additional software installation required
- Multiplatform support – Windows and Mac
- Non-powered*

Note:

* Some USB devices may require a separate power adapter

Specifications

Function		UE350A
Standard		USB 3.1 Gen 1
Data Transfer Rate		5 Gbps
Units		1
Connector	Computer	USB Type A
	Device	1 x USB Type A
	Unit to Unit	N/A
Extension Cable		USB Cable (Built-in)
Signal Range		5 m
OS Support		Windows, Mac
Power Mode		Bus
No Software Driver Required		•
Environment	Operating Temp.	0-40°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Weight	0.22 kg
	Dimensions (L x W x H)	6.02 x 4.00 x 2.40 cm
Carton Lot		10 pcs

UE250

5 m USB 2.0 Extender Cable (Daisy-chaining up to 25 m)

OS Support: Win, Mac, FreeBSD

USB 2.0

Features

- USB IF approved
- Extends one USB device up to 5 m (16 ft)
- USB 2.0 compliant
- Fully compliant with USB electrical and timing
- Multiplatform support – Windows and Mac
- Non-powered

Specifications

Function		UE250
Standard		USB 2.0
Data Transfer Rate		Up to 480 Mbps
Units		1
Connector	Computer	USB Type A
	Device	1 x USB Type A
	Unit to Unit	N/A
Extension Cable		USB Cable (Built-in)
Signal Range		5 m
OS Support		Windows, Mac, FreeBSD
Power Mode		Bus
No Software Driver Required		•
USB IF Approved		•
Environment	Operating Temp.	0-40˚C
	Storage Temp.	-20-60˚C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Weight	0.20 kg
	Dimensions (L x W x H)	6.02 x 4.00 x 2.40 cm
Carton Lot		20 pcs

UE150

5 m USB Extender Cable (Daisy-chaining up to 25 m)

OS Support: Win, Mac, FreeBSD

USB 1.1

Features

- USB IF approved
- Extends one USB device up to 5 m (16 ft)
- USB 1.1 compliant
- Fully compliant with USB electrical and timing Specs for USB Hubs
- Multiplatform support – Windows and Mac
- Non-powered

Specifications

Function		UE150
Standard		USB 1.1
Data Transfer Rate		Up to 12 Mbps
Units		1
Connector	Computer	USB Type A
	Device	1 x USB Type A
	Unit to Unit	N/A
Extension Cable		USB Cable (Built-in)
Signal Range		5 m
OS Support		Windows, Mac, Free BSD
Power Mode		Bus
No Software Driver Required		•
USB IF Approved		•
Environment	Operating Temp.	0-40˚C
	Storage Temp.	-20-60˚C
	Humidity	0-80% RH , Non-Condensing
Physical Properties	Weight	0.19 kg
	Dimensions (L x W x H)	6.02 x 4.00 x 2.40 cm
Carton Lot		20 pcs

UE2120 / UE2120H

12 m USB 2.0 Extender Cable (Daisy-chaining up to 60 m)
12 m 4-port USB 2.0 Extender Cable (Daisy-chaining up to 60 m)

USB 2.0 | OS Support: Win, Mac, FreeBSD | Non-Powered

Features

- Lockable mechanical design for secure connection (UE2120 only)
- Bus powered – no power adapter required
- Multiplatform support – Windows and Mac
- Extends USB device up to 12 m (36 ft)
- Up to 5 extender cables can be chained for a distance of up to 60 m
- 4 downstream USB 2.0 ports (UE2120H only)
- USB specification version 2.0 / 1.1 compliant
- Plug and play – no additional driver required

Specifications

Function		UE2120	UE2120H
Standard		USB 2.0	
Data Transfer Rate		Up to 480 Mbps	
Units		1	
Connector	Computer	USB Type A	
	Device	1 x USB Type A	4 x USB Type A
	Unit to Unit	N/A	
Extension Cable		USB Cable (Built-in)	
Signal Range		12 m	
OS Support		Windows, Mac, FreeBSD	
Power Mode		Bus	Bus / Self
No Software Driver Required		•	•
Environment	Operating Temp.	0-40˚C	
	Storage Temp.	-20-60˚C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Weight	0.56 kg	0.63 kg
	Dimensions (L x W x H)	6.40 x 2.20 x 1.30 cm	8.20 x 4.10 x 1.70 cm
Carton Lot		20 pcs	20 pcs

UCE260

USB 2.0 Cat 5 Extender (up to 60 m)

USB 2.0 | OS Support: Win, Mac

Features

- Support for any high-speed (480Mb/s), full-speed (12 Mb/s), or low-speed (1.5 Mb/s) USB devices
- Extends one USB device up to 60 m (19 ft) via a Cat 5/5e/6 cable
- Supports suspend / resume detection
- Supports hot plug and no software driver required
- Multiplatform support - Windows and Mac
- Low cost in comparison with extension of cable using hubs or other USB extender
- Power adapter included for stable power supply

Specifications

Function		UCE260
Standard		USB 2.0
Data Transfer Rate		1.5 / 12 / 480 Mbps
Units		2 (Local/Remote)
Connector	Computer	USB Type A
	Device	1 x USB Type A
	Unit to Unit	RJ-45
Extension Cable		Cat 5/5e/6 Cable
Signal Range		60 m
OS Support		Windows, Mac
Power Mode		Self
No Software Driver Required		•
Environment	Operating Temp.	0-55˚C
	Storage Temp.	-40-85˚C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Weight	0.07 kg
	Dimensions (L x W x H)	6.30 x 3.10 x 2.19 cm
Carton Lot		20 pcs

UCE60

USB Cat 5 Extender (up to 60 m)

OS Support: Win, Mac, FreeBSD | Non-Powered

Features

- Extends one USB device up to 60 m (196 ft) via a Cat 5e/6 cable
- Provides support for any full-speed (12Mb/s) or low speed (1.5Mb/s) USB devices
- LED indicates when additional external power supplys needed
- Embedded USB transceivers prevent signal loss
- Lowest cost solution for extending USB signals
- No additional installation software required

Specifications

Function		UCE60
Standard		USB 1.1
Data Transfer Rate		1.5 / 12 Mbps
Units		2 (Local/Remote)
Connector	Computer	USB Type A
	Device	1 x USB Type A
	Unit to Unit	RJ-45
Extension Cable		Cat 5e/6 Cable
Signal Range		60 m
OS Support		Windows, Mac
Power Mode		Bus/Self
No Software Driver Required		•
Environment	Operating Temp.	0-40°C
	Storage Temp.	-40-85°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Weight	0.14 kg
	Dimensions (L x W x H)	6.28 x 3.10 x 2.19 cm
Carton Lot		20 pcs

UEH4002

4-port USB 2.0 Cat 5 Extender (up to 100 m)

EXTREME USB®

OS Support: Win, Mac | USB 2.0

- UEH4002L
- UEH4002R

Features

- Extends 4 USB devices up to 100 m
- No additional software installation required
- Fully compliant with USB electrical and timing
- LED indicates connection status
- Multiplatform support - Windows and Mac

Included Accessories

	UEH4002
USB 2.0 Cable	•
Power Adapter	•

Specifications

Function		UEH4002
Standard		USB 2.0
Data Transfer Rate		Up to 480 Mbps
Units		2 (Local/Remote)
Connector	Computer	USB Type B
	Device	4 x USB Type A
	Unit to Unit	RJ-45
Extension Cable		Cat 5e/6 Cable
Signal Range		100 m
OS Support		Windows, Mac
Power Mode		Self
No Software Driver Required		•
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-70°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Weight	0.36 kg (L+R)
	Dimensions (L x W x H)	10.00 x 7.60 x 2.60 cm (L/R)
Carton Lot		5 pcs

US7220

Thunderbolt™ 2 Sharing Switch

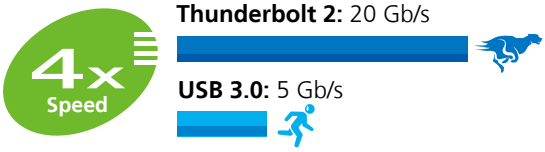
USB 3.0 | OS Support: Win, Mac

Features

- Share multiple Thunderbolt™ peripherals between two Thunderbolt™ computers
- Simultaneously supports dual 4K video and up to 20 Gbps data throughput for high-speed file and signal transmissions
- Supports 4K dual-view video output for Thunderbolt™ and HDMI displays
- Single-Tap design allows quick switching between two Thunderbolt™ computers
- No software installation required
- Connects various devices with 3 Thunderbolt™, 1 HDMI, 3 USB 3.1 Gen 1, 2 USB 2.0, 1 eSATA, 1 Mini TOSLINK Line In / Out, and 1 GbE LAN ports

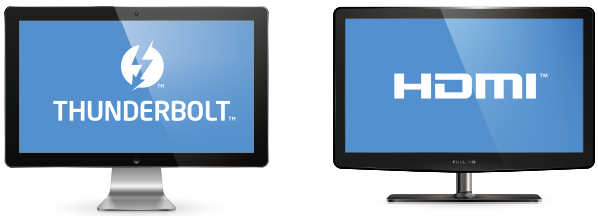
• Ultra High Speed

Supports data throughput of up to 20 Gbps for next-gen versatility.



• Dual 4K Displays

Dual 4K output via Thunderbolt™ and HDMI ports for an unrestricted multimedia experience.



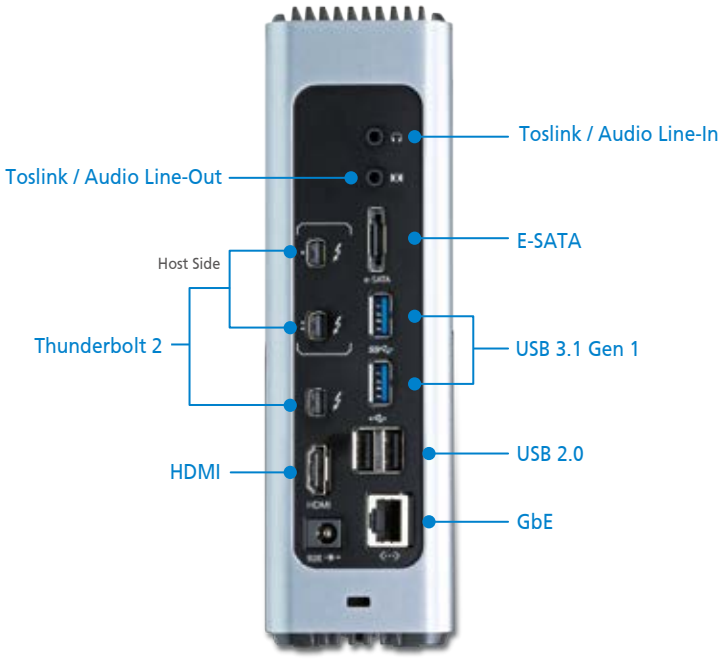
• Slick Operation

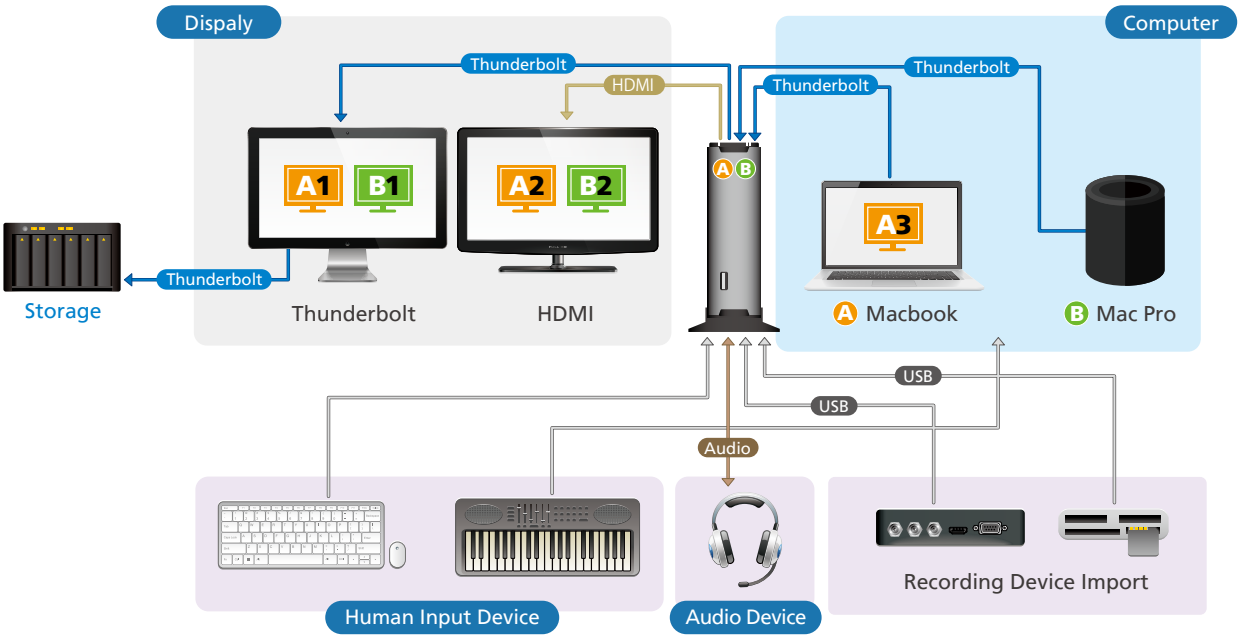
With the press of a button, two Thunderbolt™ computers can share 11 devices connected to the US7220. Additionally, up to 5 Thunderbolt™ devices can be daisy-chained from a single Thunderbolt™ connection, providing expandability and eliminating cable clutter.

Specifications

Function		US7220
Computer Connections		2
Device Connections		1 Direct, 5 Max. (via Daisy chain mode)
Connector	Computer Ports	2 x Thunderbolt 2.0 Female
	Device	1 x Thunderbolt 2.0 Female 3 x USB3.1 Gen 1 Type A Female 2 x USB2.0 Type A Female 1 x E-SATA Female
Video Resolution	Single View	Mini DisplayPort or Thunderbolt - 3840 x 2160 @ 60 Hz or HDMI - 3840 x 2160 @ 30 Hz
	Dual View	Thunderbolt - 3840 x 2160 @ 60 Hz HDMI - 3840 x 2160 @ 30 Hz
Audio	Input	1 x Mini Stereo / Toslink Jack Female
	Output	1 x Mini Stereo / Toslink Jack Female
LAN Port		1 x Gigabit Ethernet Female
Power Consumption		DC 12V, 90W
Environment	Operating Temp.	0-40˚C
	Storage Temp.	-20-60˚C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Aluminum
	Weight	0.77 kg
	Dimensions (L x W x H)	9.75 x 5.70 x 18.38 cm
Carton Lot		3 pcs

Rear





Included Accessories

	US7220
Thunderbolt Cable 1 M	1
Power Adapter	1
Base Stand	1

US234 / US434

2 / 4-Port USB 3.1 Gen1 Peripheral Sharing Device

OS Support: Win, Mac, Linux | USB 3.0 | Bus-Powered

Front

• US234 / US434

Rear

• US234

• US434

• US234 / US434

Features

- Enable 2 / 4 computers to share 4 USB 3.1 Gen 1 devices
- Simple port selection via remote port selector for convenient switch placement
- USB 3.1 Gen 1 compliant, supporting data transfer rates of up to 5 Gbps
- LED indicates which computer is active
- Over-current protection
- Multiplatform support – Windows, Linux and Mac
- Non-powered (supports optional USB power adapter)
- Hot pluggable

Specifications

Function		US234	US434
Computer Connections		2	4
USB Device Connections		4	
Connector	Computer Ports	2 x USB Type B Female	4 x USB Type B Female
	USB Device Ports	4 x USB Type A Female	
	Power Input (Optional)	1 x Micro-USB Type B Female	
Standard		USB 3.1 Gen 1	
Port Selection		Remote Port Selector	
Maximum Transfer Rate		5Gbps	
Environment	Operating Temp.	0-40˚C	
	Storage Temp.	-20-60˚C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Weight	0.12 kg	
	Dimensions (L x W x H)	9.37 x 9.30 x 2.68 cm	
Carton Lot		12 pcs	

Included Accessories

	US234	US434
USB 3.1 Gen 1 Type-B to Type A Cable 1.2M	2	2
USB 3.1 Gen 1 Type-B to Type A Cable 1.8M	N/A	2
Remote Switch	•	•

US224 / US424

2 / 4-Port USB 2.0 Peripheral Sharing Device

OS Support: Win, Mac, Linux, Sun | USB 2.0 | Non-Powered

Features

- Simple port selection via remote port selector for convenient switch placement
- Built-in USB cables – all-in-one design allows for a neat and tidy installation that reduces cable clutter
- Enables 2 / 4 computers to share 4 USB devices – a USB keyboard, mouse and up to 2 peripheral devices
- Multiplatform support – Windows, Linux ,Mac and Sun
- LED indicators display port focus
- Overcurrent protection
- Non-powered (supports optional USB power adapter)
- Hot pluggable

Specifications

Function		US224	US424
Computer Connections		2	4
USB Device Connections		4	
Connector	Computer	2 x USB Type A	4 x USB Type A
	Device	4 x USB Type A	
Standard		USB 2.0	
Port Selection		Remote Port Selector	
Maximum Transfer Rate		480 Mbps	
Environment	Operating Temp.	0-40˚C	
	Storage Temp.	-20-60˚C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Weight	0.14 kg	0.22 kg
	Dimensions (L x W x H)	8.24 x 6.65 x 2.53 cm	8.24 x 6.65 x 2.53 cm
Carton Lot		20 pcs	20 pcs

US221A / US421A

2 / 4-Port USB 2.0 Peripheral Switch

OS Support: Win, Mac, FreeBSD | USB 2.0 | Non-Powered

- US221A
- US421A

Features

- Auto switch function – no need for print server
- Supports multifunction printers
- Enables two (US221A) or four (US421A) computers share a single USB peripheral device
- Simple port selection via pushbuttons, configuration utility, or auto switch function
- Supports transfer rates up to 480 Mbps
- Multiplatform support – Windows and Mac
- LED indicators display port focus
- Overcurrent protection
- Bus-powered
- Hot pluggable
- Buzzer indicates switching between computers

Specifications

Function		US221A	US421A
Computer Connections		2	4
USB Device Connections		1	
Connector	Computer	2 x USB Type B	4 x USB Type B
	Device	1 x USB Type A	
Standard		USB 2.0	
Port Selection		Pushbuttons, Software, Auto Switch	
Maximum Transfer Rate		480 Mbps	
Maximum Current		500 mA (max.) Per Port	
Environment	Operating Temp.	0-40˚C	
	Storage Temp.	-20-60˚C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Weight	0.06 kg	0.10 kg
	Dimensions (L x W x H)	7.18 x 6.58 x 2.44 cm	10.40 x 7.96 x 2.20 cm
Carton Lot		20 pcs	20 pcs

Included Accessories

	US221A / US421A
USB Cables	•
Software CD	•

UC232A

USB to RS-232 Adapter (35 cm)

OS Support: Win, Mac, FreeBSD

Features

- Provides PCs, notebook PCs and handheld legacy devices using USB an external PnP RS232 port
- Supports the RS232 Serial interface
- Compliant with USB 1.1
- Up to 230 Kbps data transfer rate

Specifications

Function		UC232A
Name		USB-to-Serial Converter
Connector 1		USB Type A
Connector 2		1 x DB-9
Standard		USB 1.1
Data Transfer Rate		Up to 230 Kbps
OS Support		Windows, Mac, Linux
Cable Built-in		35 cm
Power Mode		Bus
Environment	Operating Temp.	0-40˚C
	Storage Temp.	-20-60˚C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Plastic
	Weight	0.04 kg
	Dimensions (L x W x H)	6.59 x 3.40 x 1.60 cm
Carton Lot		40 pcs

Included Accessory

	US232A
Software CD	•

UC2322 / UC2324 / UC4852 / UC4854

2 / 4-Port USB to RS-232 / 485 / 422 Hub

OS Support: Win, Linux

Non-Powered

Front

• UC2322 / UC4852

• UC2324 / UC4854

Rear

• UC2322 / UC4852

• UC2324 / UC4854

Specifications

Function		UC2322 / UC2324	UC4852 / UC4854
Name		USB-to-Serial RS-232 Hub	USB-to-Serial RS-485 Hub
Connector 1		USB Type B	
Connector 2		2/4 x DB-9	
Standard		USB 1.1 / 2.0	
Data Transfer Rate		115.2 kbps	
OS Support		Windows, Linux	
Power Mode		Bus / Self	
Environment	Operating Temp.	0-50˚C	
	Storage Temp.	-20-60˚C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Metal	
	Weight	0.30 kg (UC2322) 0.32kg (UC2324)	0.30 kg (UC2322) 0.32kg (UC2324)
	Dimension (L x W x H)	12.50 x 8.00 x 2.50 cm	12.50 x 8.00 x 2.50 cm
Carton Lot		20 pcs	20 pcs

Features

- Supports automatic handshake mode
- Up to 115.2 Kbps data transfer rate for each serial port
- Supports both bus power and external power
- Easy way to add 2 / 4 RS-232 serial ports (UC2322 / UC2324)
- Easy way to add 2 / 4 RS-485 serial ports (UC4852 / UC4854)
- Fully compliant with USB 1.1; USB 2.0 compatible
- Supports RS-232 serial interface (UC2322 / UC2324)
- Supports RS-422 / RS-485 serial interface (UC4852 / UC4854)
- Each port can independently switch between RS-422 and RS-485 (UC4852 / UC4854)
- Dual data buffers for each upstream and downstream data transfer
- No IRQ, DMA, I/O address resources required
- Supports hot-swapping and plug-and-play
- Built-in 16KV ESD protection

Included Accessories

	UC2322 / UC2324 UC4852 / UC4854
USB Cable	•
Software CD	•

UC3002

USB-C to VGA Adapter

Features

- Transfer high-quality video from a USB-C equipped laptop or tablet to a VGA display or projector
- Compatible with the latest USB-C equipped laptops and tablets, including Apple MacBook, Chromebook Pixel™, and Thunderbolt™ 3 computers
- USB billboard feature proactively notifies users of alternate USB-C modes supported by the source device
- Premium manufacturing and high quality design resists signal interference during video transmission
- No software installation required

Specifications

Function		US421A
Name		USB-C to VGA Adapter
Connector 1		1 x USB-C Male
Connector 2		1 x HDB-15 Female
Standard		USB 3.1
Max. Pixel Clock		200 MHz
Max. Resolution		2048 x 1152 @ 60 Hz
Environment	Operating Temp.	0-40˚C
	Storage Temp.	-20-60˚C
	Humidity	0–80% RH, Non-Condensing
Physical Properties	Housing	Plastic
	Weight	0.032 kg
	Dimensions (L x W x H)	7.00 x 2.70 x 1.50 cm
Carton Lot		20 pcs

UC3008

USB-C to 4K HDMI Adapter

Features

- Transfer high-quality video from a USB-C equipped laptop or tablet to a 4K HDMI display or projector
- Compatible with the latest USB-C equipped laptops and tablet computers, including Apple MacBook, Chromebook Pixel™, and Thunderbolt™ 3 computers
- USB billboard feature proactively notifies users of alternate USB-C modes supported by the source device
- Premium manufacturing and high quality design resists signal interference during video transmission
- No software installation required

Specifications

Function		UC3008
Name		USB-C to HDMI Adapter
Connector 1		1 x USB-C Male
Connector 2		1 x HDMI Type A Female
Standard		USB 3.1
Max. Pixel Clock		300 MHz
Max. Resolution		3840 x 2160 @ 30Hz
Environment	Operating Temp.	0-40˚C
	Storage Temp.	-20-60˚C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Plastic
	Weight	0.032 kg
	Dimensions (L x W x H)	7.00 x 2.70 x 1.50 cm
Carton Lot		20 pcs

PHANTOM-S™

Gamepad emulator for PS4 / PS3 / Xbox 360 / Xbox One

www.aten.com/phantoms/

Not doing so well with FPS games on the PS4, PS3, Xbox 360, or Xbox One? Can't aim and shoot fast or accurately enough? The PHANTOM-S™ is the answer for players fed up with the drawback of slow, clumsy controllers!

The PHANTOM-S™ is specially designed to assist the gamer in FPS games on consoles. You can abandon the conventional gamepad to enjoy smooth controls, enhanced accuracy and continuous–fire with a PC keyboard and mouse for first–person shooter games on the PS4, PS3, Xbox 360 and Xbox One.

- **PC-like FPS Gaming Experience - Fast and Accurate:**

  The unique conversion technology of the PHANTOM-S™ allows you to play PS4, PS3, Xbox 360 and Xbox One games with a wireless or wired keyboard and mouse. Both are fully customizable and provide more convenient and smooth gameplay when compared with conventional analog gamepad and button sets. Gameplay with the PHANTOM-S™ offers a satisfying experience of fast aiming and accurate shooting. In addition, the optimized impact timing calibration of the PHANTOM-S™ provides higher accuracy with continuous firing.

- **Regular Software / Firmware Updates:**

  The PHANTOM-S™ provides software to quickly configure the mappings between the keyboard/mouse and conventional gamepad, according to your personal preferences. Macros can be set so that a single key may carry out specific instructions normally required by multiple key combinations. ATEN provides regular PHANTOM-S™ software updates that provide new functions and features, improve gameplay, and support next generation game consoles, such as the Xbox One.

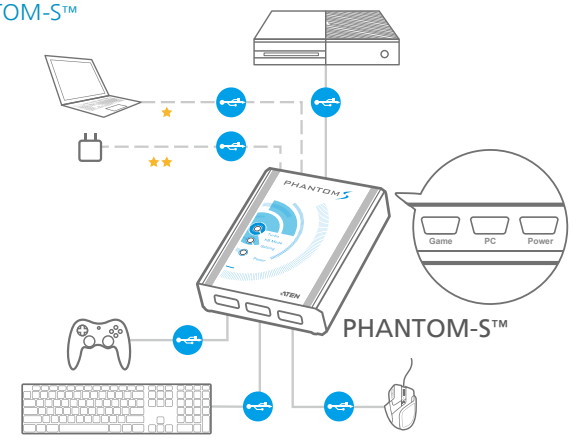
- **Exclusive PLAY Mode:**

  In addition to gameplay with a USB keyboard and mouse, the PHANTOM-S™ also supports laptop keyboards for direct PS4, PS3, Xbox 360 and Xbox One gaming with the unprecedented experience of convenient and smooth game controls.

Specifications

Function			PHANTOM-S™
Connectors	Front	Keyboard	1 x USB Type A Female (White)
		Mouse	1 x USB Type A Female (White)
		Gamepad	1 x USB Type A Female (White)
	Rear	Game	1 x Mini USB Type A Female (Black)
		PC	1 x Mini USB Type A Female (Black)
		Keyboard Power	1 x Mini USB Type A Female (Black)
		Data	1 x 3.5 mm Data Jack (Black)
Switches	Reset		1 x Semi-Recessed Pushbutton
LEDs	Turbo / Keyboard Mode		1 (Orange)
	Setting		1 (Blue)
	Power		1 (Blue)
Emulation	Keyboard		USB, Emulation
	Mouse		USB, Emulation
	Gamepad		USB, Bypass
Power Consumption			5V, 1.95W
Environment	Operating Temp.		0-50°C
	Storage Temp.		-20-60°C
	Humidity		0–80% RH, Non-Condensing
Physical Properties	Housing		Metal
	Weight		0.20 kg
	Dimensions (L x W x H)		10.64 x 7.90 x 2.44 cm
Carton Lot			20 pcs

Setup > PHANTOM-S™



★ Connect to PC for software setting

★★ Connect additional power for some gaming keyboards with LED illumination or USB hub functions

CS533

Tap (USB to Bluetooth KM Switch)

Tap your desktop keyboard into an iPhone or iPad

Features

The CS533 Tap is a control unit that allows access to one computer and two Bluetooth devices from a USB keyboard. The CS533 Tap converts normal USB keyboard signals into Bluetooth connections to allow for easy sharing between your computer and Bluetooth devices.

The CS533 Tap eliminates the need to purchase a Bluetooth keyboard or your Bluetooth devices, saving you valuable work space, allowing you to use your favorite multimedia keyboard with all your Bluetooth devices.

- **iPhone / iPad Media Key Support**
  Supports PC and Mac iOS media key mapping via Bluetooth.

- **Rapid Response, Quick Switching**
  Quick switch access to a computer and two Bluetooth devices via hotkeys.

- **Keyboard Mapping**
  Customize the USB keyboard to mimic the different keyboard layouts: QWERTY (standard PC), Mac (Apple computers), or the iPad / iPhone / iPod on-screen keyboard, for each port.

- **USB Powered**
  The CS533 can be powered by the computers USB port connection, or a USB power adapter can be used when a computer is not connected.

- **Easy Installation**
  The CS533 setup is fast and easy – simply plug the cables into their appropriate ports, pair the Bluetooth connections, and you're ready! No driver or software installation needed.

- **Wireless and Multifunction Support**
  The CS533 supports wireless and multifunction USB keyboards – offering the maximum flexibility to use the keyboard of your choice.

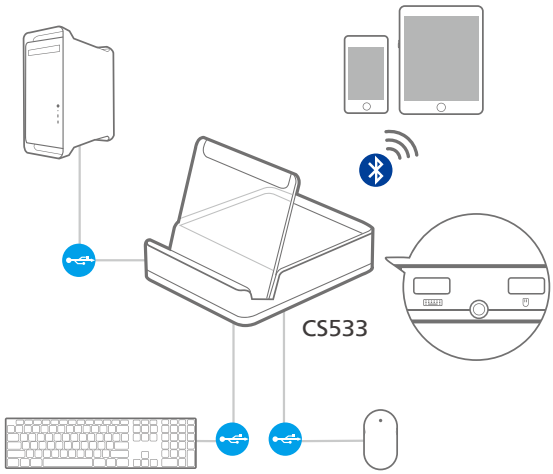
- **Flexible Cradle Design**
  The 2-way adjustable cradle is designed to comfortably hold and display your smart phone or tablet PC according to your viewing preference. In addition, you can simply place the Bluetooth device(s) around or near the CS533 to establish connections at your convenience.

Bluetooth Keyboard (Bluetooth HID) Supported Devices		
Brand	Model	Note
Apple	iPad 1/2, iPad mini / mini 2 / mini 3, iPad with Retina Display, iPad Air / Air 2	iOS4.2.1 and higher
	iPhone 3GS / 4 / 4S / 5 / 5S / 6 / 6 Plus	
	iPod touch (2nd / 3rd / 4th Generation)	
	Apple TV (2nd / 3rd Generation)	Apple TV software version 5.2 or later
	MacBook Air, MacBook Pro, Mac Pro, Mac Mini, iMac	OS 10.6 and higher
Acer	A500 / A501 / A100 / A200	Android 3.x / 4.x or later
ASUS	Eee Pad Transformer TF101, Eee Pad Transformer Prime TF201, Transformer Pad 300T, Padfone , ASUS Eee Pad, Memo M171, PadFone T004, PadFone Infinity	
Google	Nexus 7	
HTC	One V, One S, One X, One J Z321e, Butterfly, Butterfly S, New One, Desire L, Desire P, One (M8)	
Huawei	Media Pad, P6	
LG	Optimus Pad, Optimus 4x HD, Optimus L7, Optimus L7 II, Optimus L5II, Optimus Pro, Optimus GJ	
Motorola	XOOM	
Samsung	Galaxy Tab 7.7, Galaxy Tab 8.9, Galaxy Tab 10.1 (WIFI / 3G), Galaxy Tab II 7.0, Galaxy Tab II 10.1, Galaxy Tab III 8.0,	
	Galaxy Nexus, Galaxy Nexus S, Galaxy S II, Galaxy Note, Galaxy S III, Galaxy S Advance, Galaxy Note2, Galaxy Core, Galaxy S IV, Galaxy Note3, Galaxy MEGA "5.8", Galaxy MEGA "6.3", Galaxy Win Duos,	
SONY	Tablet S,	
	Xperia Arc S, Xperia NEO V, Xperia Ray, Xperia acro S, Xperia XL, Xperia P, Xperia Z, Xperia Z Ultra, Xperia Z1, Xperia Z2, Xperia Z3, Xperia XS, Xperia TX, LT29i, Xperia V, Xperia M, Xperia SP	
Wiz	Aero T-518	
Xiaomi	mi2S , MI3	

Specifications

Function		CS533
PC / Bluetooth Connections		1/2
Port Selection		Hotkey
Connectors	Keyboard	1 x USB Type A (F)
	Mouse	1 x USB Type A (F)
	Power Supply	1 x USB Type A (M)
Cable Length	Computer	1.8 m
LEDs	USB Selected / Power Supply	1 (Blue)
	Bluetooth Selected	2 (Blue)
Emulation	Keyboard	USB, Bluetooth V2.0, Class 2
Physical Properties	Housing	Plastic
	Weight	0.12 kg
	Dimensions (L x W x H)	9.20 x 7.80 x 2.46 cm
Carton Lot		20 pcs

Setup > CS533



- Connect the CS533 to your computer via USB
- Plug a USB keyboard / mouse* into the CS533
- Place your iPhone* / iPad on the cradle and pair Bluetooth
- Tap to switch USB keyboard use between your computer and iPhone / iPad

Note:
* The Tap CS533 does not support Bluetooth keyboard or mouse devices

Data Communication

Creating a connection between two interfaces is no longer a problem with the ATEN range of reliable, cost-efficient, bi-directional converters. These are extremely useful in situations where the only port available uses an interface that is different from the device you need to connect to. In addition, there are some not-so-common standards that a converter can easily access which might otherwise be impossible or too expensive to consider. ATEN's range of converters has been designed to provide simple solutions to the problems of data loss and conversion difficulties. We offer a wide range of auto switches and interface converters which include serial PCI cards and parallel line extenders. The Bitronics-capable models allow you to take advantage of enhanced parallel port features, such as bi-directional communication, higher data throughput and printer control from the keyboard.

- **Printer Network**
  Simultaneous printing capability.

- **RS-232 to RS-422 / RS-485 Bi-Directional Converter**
  RS-232 to RS-422/RS-485 converters for data transmission.

- **Serial PCI Card**
  RS-232 / RS-422 / RS-485 converters and extenders are heavily represented in many enterprise fields.

  - Telecommunications industry
  - Auto-teller machines
  - Airport check-in and flight schedule display systems
  - Automatic postal machines

Note:
The features highlighted above are not available in all products. Please refer to each product page for more details.
Product information is subject to change without prior notice.

Feature Comparison

Model No.	IC164T	IC164R
Input	1 x DB-25	1 x RJ-11 (F, 6P4C)
Output	1 x RJ-11 (F, 6P4C)	1 Centronics C-36
Output Port Selection	N/A	N/A
Timeout Selection (Sec.)	N/A	N/A
Signal Range	400 m	400 m
First-Come-First-Served	N/A	N/A
Non-Powered	•	•
Baud Rates	21 K	21 K

Model No.	IC485S	IC485SI	IC485SN	IC485AI
Input	1 x DB-25	1 x DB-25	1 x DB-25	1 x DB-25
Output	RS-485 / RS-422 Four Terminal Block			
RJ-11 Connector	•	N/A	•	N/A
Grounding Tab	N/A	•	N/A	•
DCE / DTE Selectable	•	•	•	•
Monitor Configuration	•	N/A	N/A	N/A
Signal / Power Isolation	N/A	•	N/A	N/A
2000V Surge Protection	N/A	N/A	N/A	•
Operation Mode	Point to Point, Multidrop, Simplex			
Non-Powered	N/A	N/A	•	N/A
Signal Range	1200 m	1200 m	1200 m	1200 m
Baud Rates	115.2 K	115.2 K	115.2 K	115.2 K

IC164

Non-Powered / High Speed Parallel Data Extender

OS Support: Win

Non-Powered

• IC164T

• IC164R

Features

- Extends the distance between your parallel peripherals and the PC up to 400 m.
- Uses RJ-11 cable to connect the transmitter and receiver units.
- Easy to install and operate
- Non-powered
- Compact size

Specifications

Function		IC164T	IC164R
Connectors		1 x DB-25 (M)	1 x C-36 (M)
		1 x RJ-11 (F, 6P4C)	
Power		1 x DC Jack	
Data Transfer Rate		21 Kbytes / Sec	
Power Consumption		DC 9V, 0.4W (Min)	
Signal Range		400 m (1300') (Max.)	
Environment	Operating Temp.	0-50°C	
	Storage Temp.	-20-60°C	
	Humidity	0-80% RH, Non-Condensing	
Physical Properties	Housing	Plastic	
	Weight (T/R)	0.05 kg	0.05 kg
	Dimensions (L x W x H)	8.23 x 5.40 x 2.57 cm	7.60 x 6.20 x 2.68 cm
Carton Lot		20 sets	

Included Accessory

	IC164
RJ-11 Cable	•

IC485S / IC485SI / IC485SN

RS-232 / RS-485 Interface Converter

Non-Powered (IC485SN)

• IC485S

• IC485SI

• IC485SN

Features

- Monitor configuration support (IC485S)
- Signal and power isolation support (IC485SI)
- Non-powered operation (IC485SN)
- Data transmission controlled by the RTS signal
- DCE / DTE selectable
- Point-to-Point, multidrop and simplex / duplex link selection
- Compact size
- Cable distance up to 1200 m
- Supports baud rates up to 115.2 kbps

Specifications

Function		IC485S	IC485SI	IC485SN
Connectors		1 x DB-25 (F)		
		RS-485 / RS-422 Four Terminal Block		
		1 x RJ-11 (F)	Grounding Tab	1 x RJ-11 (F)
Power		1 x DC Jack		
Switches	SW1	DCE, DTE		
	SW2	TxON, RxON		
		TxRTS, RxRTS	TxRTS, RxRTS	TxRTS, RxON
		TxRTS, RxON	TxRTS, RxON	TxDTR / RTS, RxDSR / ON
Data Transfer Rate		115.2 Kbit / Sec.		
Power Consumption		DC9V, 1.35W (Max.)	DC9V, 1.8W (Max.)	DC9V, 0.9W (Max.)
Signal Range		1200 m (4000') (Max.)		
Environment	Operating Temp.	0-50°C		
	Storage Temp.	-20-60°C		
	Humidity	0-80% RH, Non-Condensing		
Physical Properties	Housing	Plastic		
	Weight	0.05 kg	0.06 kg	0.06 kg
	Dimensions (L x W x H)	7.90 x 5.45 x 2.10 cm	7.90 x 5.45 x 2.10 cm	7.90 x 5.45 x 2.10 cm
Carton Lot		20 pcs	20 pcs	20 pcs

Included Accessory

	IC485S	IC485SI
Power Adapter	•	•

IC485AI

RS-232 to RS-422 / RS-485 Isolated Converter

Features

- Point-to-Point, multidrop and simplex operating modes
- Four wire full duplex; two wire half duplex
- Minimum 2000V isolation protection
- Automatic internal RS-485 bus supervision
- No external flow control signals for RS-485 required
- Transient suppression on RS-485 data lines

Included Accessory

	IC485AI
Power Adapter	•

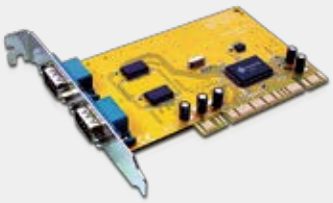
Specifications

Function		IC485AI
Connectors		1 x DB-25 (F)
		RS-485 / RS-422 Four Terminal Block
		Grounding Tab
Power		1 x DC Jack
Switches	SW1	DCE, DTE
	SW2	Segment 1-3: Baud Rate, Segment 4: Reserved, Segment 5&6: Data Format (bits), Segment 7&8: RS-422 / RS-485 Operating Mode
LEDs		2
Data Transfer Rate		115.2 Kbit / Sec.
Power Consumption		DC9V, 0.9W (Max.)
Signal Range		1200 m (4000') (Max.)
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-Condensing
Physical Properties	Housing	Plastic
	Weight	0.06 kg
	Dimensions (L x W x H)	7.90 x 5.45 x 2.10 cm
Carton Lot		20 pcs

IC-102S / IC-104S / IC-108S

RS-232 2 / 4 / 8-Port PCI card

• IC-102S



• IC-104S

• IC-108S

Features

- High-speed serial port supports baud rates up to 921.6 Kbps
- High-tech 128K FIFO can reduce CPU loading, interrupting, and improving system performance dramatically
- Plug and play, I/O address and IRQ assigned by BIOS
- Works with various types of DB9M / DB25M serial devices
- Fully compliant with PCI Spec. Ver2.2 standard
- Supports both 64-bit & 32-bit PCI Bus and 3.3V & 5V connector keys
- Ready for the Intel® Itanium® and AMD® Athlon® 64R 64-bit CPU on the Microsoft Windows® XP 64- bit Edition Version 2003 and Windows® Sever 2003 for 64-bit Itanium based or Extended Systems
- Ideal for 56K V.90 external modems, ISDN terminal adapters, PDA, UPS, barcode scanners and other high speed serial port devices
- Supports Microsoft Windows NT, 2000, XP, Vista, 2003, DOS and Linux

Specifications

Function		IC-102S	IC-104S	IC-108S
Mode of Operation		Hand-Shaking Mode		
Bus Transceivers		RS-232 Full-Duplex		
Drivers per Line		RS-232 1 Driver		
Receivers per Line		RS-232 1 Receiver		
Hardware	Controller	UART (16C650 compatible)		
	Bus Interface	64-bit & 32-bit PCI Bus - 3.3V & 5V Connector Keys		
	Connector	2 DB9 Male	1 DB37 Female to 4 DB9 Male or DB25 Male	1 DB37 Female Port and 1 Pin Header to 8 Port DB9 Male or DB25 Male
Communication	IRQ & I/O Address	Assigned by BIOS		
	FIFO	32 bytes Hardware FIFO	32 bytes Hardware FIFO, 128 Kbytes software FIFO	32 bytes Hardware FIFO, 128 Kbytes Software FIFO
	Baud Rate	75bps ~ 921.6Kbps		
	Data Bit	4, 5, 6, 7, 8		
	Stop Bit	1, 1.5, 2		
	Parity	Even, Odd, None, Mark, Space		
	Flow Control	None, Xon / Xoff, Hardware		
	Signals	DCD, RxD, TxD, DTR, GND, DSR, RTS, CTS, RI		
Driver Supported	64-bit System	Intel Itanium and AMD Athlon64 CPU		
	Microsoft	DOS, Windows 3.x / 9x / ME / NT / 2000 / XP / 2003		
	Linux	2.0.x / 2.2.x / 2.4.18 / 2.4.20		
	DOS	DOS		
Operation Environment	Operation Temp.	0-57˚C , 5-95% RH		
	Storage Temp.	-20-85˚C		

Included Accessory

	IC-102S	IC-104S	IC-108S
DB9 9 Connector Cable	N/A	•	•

Cables

Image	Part No.	Interface	To PC / Source Interface	To Switch Interface	Compatible Products
A	2L-1001P/C (1.8 m) 2L-1003P/C (3 m) 2L-1005P/C (5 m) 2L-1006P/C (6 m) 2L-1010P/C (10 m) 2L-1020P/C (20 m)	PS/2 Standard	6 pin mini-DIN Male 6 pin mini-DIN Male HDB-15 Male	6 pin mini-DIN Male 6 pin mini-DIN Male HDB-15 Female	CS82A, CS84A, CS9134, CS9138
	2L-5001P/C (1.2 m) 2L-5002P/C (1.8 m) 2L-5003P/C (3 m) 2L-5005P/C (5 m)	PS/2 Slim			
B	2L-1001P (1.8 m) 2L-1003P (3 m) 2L-1005P (5 m) 2L-1010P (10 m) 2L-1020P (20 m) 2L-1030P (30 m) 2L-1040P (40 m)	PS/2	6 pin mini-DIN Female 6 pin mini-DIN Female HDB-15 Female Console	6 pin mini-DIN Male 6 pin mini-DIN Male HDB-15 Male	For PS/2 console extension
C	2L-5502UP (1.8 m) 2L-5503UP (3 m) 2L-5506UP (6 m)	USB PS/2	USB Type A Male HDB-15 Male	6 pin mini-DIN Male 6 pin mini-DIN Male HDB-15 Male	CS82A, CS84A, CS9134, CS9138
D	2L-5201P (1.2 m) 2L-5202P (1.8 m) 2L-5203P (3 m) 2L-5206P (6 m)	PS/2	6 pin mini-DIN Male 6 pin mini-DIN Male HDB-15 Male	SPHD Male	ACS1216A, CE250A, CE252, CL1000, CL1008, CL1016, CL1308, CL1316, CL3000, CL5708, CL5716, CL5800, CL5808, CL5816, CN8000A, CS72E, CS74E, CS231, CS1308, CS1316, CS1708A, CS1716A, CS1708I, CS1716I
E	2L-5702P (1.8 m)	PS/2	6 pin mini-DIN Male 6 pin mini-DIN Male HDB-15 Male	SPHD Male	ACS1216A, CE250A, CE252, CL1000, CL1008, CL1016, CL1308, CL1316, CL3000, CL5708, CL5716, CL5800, CL5808, CL5816,CN8000A, CS72E, CS74E, CS231, CS1308, CS1316, CS1708A, CS1716A, CS1708I, CS1716I
F	2L-5202UP (1.8 m) 2L-5203UP (3 m) 2L-5205UP (5 m) 2L-5206UP (6 m) With built-in PS/2 to USB Converter	USB	USB Type A Male HDB-15 Male	SPHD Male	ACS1216A, CE250A, CE252, CE350, CE370, CL1000, CL1008, CL1016, CS72E, CS74E, CS231
	2L-5202A (1.8 m) 2L-5203A (3 m) 2L-5205A (5 m)	Audio	2 Audio Plugs HDB-15 Male	SPHD Female	CS1742, CS1744

About SPHD Connectors:
Many of our KVM switches use SPHD connectors for their KVM and/or console ports. We have specifically modified the shape of these connectors so that only KVM cables that we have designed to work with the KVM switch can be connected.

Image	Part No.	Interface	To PC / Source Interface	To Switch Interface	Compatible Products
G	2L-5301UP (1.2 m) 2L-5302UP (1.8 m) 2L-5303UP (3 m)	USB PS/2	USB Type A Male HDB-15 Male 6 pin mini-DIN Male 6 pin mini-DIN Male	SPHD Male	CN8000A, CS82U, CS84U, CL5808, CL5816, CS1308, CS1316,
H	2L-5302UU (1.8 m) 2L-5303UU (3 m) 2L-5305UU (5 m)	USB	USB Type A Male USB A Type Male 2 Audio Plugs HDB-15 Male	SPHD Male 2 Audio Plugs	CS1774
I	2L-1701P (1.8 m) 2L-1703P (3 m) 2L-1705P (5 m) 2L-1710P (10 m)	PS/2	6 pin mini-DIN Male 6 pin mini-DIN Male 2 Audio Plugs HDB-15 Male	Port DB-25 Male	CS228, CS428
J	2L-1701S (1.1 m)	PS/2	6 pin mini-DIN Female 6 pin mini-DIN Female 2 Audio Sockets (Female) HDB-15 Female	Port DB-25 Male	CS228, CS428
K	2L-5001U (1.2 m)	USB	USB Type A Male HDB-15 Male	USB Type B Male HDB-15 Female	CE100
L	2L-5301U (1.2 m) 2L-5302U (1.8 m) 2L-5303U (3 m) 2L-5305U (5 m)	USB	USB Type A Male HDB-15 Male 2 Audio Plugs	SPHD Male 2 Audio Plugs	CE750A, CE770, CE774, CE775, CE790, CE800B, CS1732B, CS1734B, CS1732A, CS1734A, CS1754, CS1758
M	2L-5301P (1.2 m) 2L-5302P (1.8 m) 2L-5303P (3 m) 2L-5305P (5 m)	PS/2	6 pin mini-DIN Male 6 pin mini-DIN Male 2 Audio Plugs HDB-15 Male	SPHD Male 2 Audio Plugs	CE350, CE370, CS1732A, CS1734A, CS1732B, CS1734B, CS1754, CS1758
N	2L-5201U (1.2 m) 2L-5202U (1.8 m) 2L-5203U (3 m) 2L-5205U (5 m)	USB	USB Type A Male HDB-15 Male	SPHD Male	CE700A, CL1308, CL1316, CL3000, CL5708, CL5716, CL5800, CL5808, CL5816, CN8000A, CS72U, CS74U, CS82U, CS84U, CS231, CS1308, CS1316, CS1708A, CS1716A, CS1708I, CS1716I, CS1742, CS1744

Image	Part No.	Interface	To PC / Source Interface	To Switch Interface	Compatible Products
O	2L-7D02U (1.8 m) 2L-7D03U (3 m) 2L-7D05U (5 m)	DVI-D USB	USB Type A Male DVI-D Male (Single Link) 2 Audio Plugs	USB Type B Male DVI-D Male (Single Link) 2 Audio Plugs	CE600, CE604, CE610 CE680, CE690 CL6700MW, CL6708MW CM0264, CM1164, CN8600 CS1182, CS1184 CS1762A, CS1764A CS1768, CS1788 CS261
	2L-7D02UI (1.8 m) 2L-7D03UI (3 m)	DVI-I USB	USB Type A Male DVI-I Male (Single Link) 2 Audio Plugs	USB Type B Male DVI-I Male (Single Link) 2 Audio Plugs	CL6708MW, CN8600 CS1642A, CS1644A CS1768, CS1782A, CS1784A CS1788
P	2L-7D02UD (1.8 m) 2L-7D03UD (3 m) 2L-7D05UD (5 m)	DVI-D Dual Link USB	USB Type A Male DVI-D Male (Dual Link) 2 Audio Plugs	USB Type B Male DVI-D Male (Dual Link) 2 Audio Plugs	CE602, CS1182, CS1184, CS1642A, CS1644A, CS1782A, CS1784A, CS1788
Q	2L-7D02DD (1.8 m) 2L-7D03DD (3 m) 2L-7D05DD (5 m)	DVI-D Dual Link	DVI-D Male (Dual Link)	DVI-D Male (Dual Link)	CE610A, CE620, CE624, CS1642A, CS1644A
R	2L-7D02UH (1.8 m)	HDMI	USB Type A Male HDMII 2 Audio Plugs	USB Type B Male HDMII 2 Audio Plugs	CS1792, CS1794, CS1798, CS17916, CL6700MW
S	2L-1700 (0.6 m) 2L-1701 (1.8 m) 2L-1703 (3 m) 2L-1705 (5 m) 2L-1715 (15 m) Daisy Chain Cable	Daisy Chain Cable	Daisy chain in Port DB-25 Male	Daisy chain Out Port DB-25 Female	ACS1216A, CS1708A, CS1716A, CS1708I, CS1716I, CL1008, CL1016, CL5708, CL5716, CL5808, CL5816
T	2L-2801 Low Skew Cable	Cat 5	RJ-45	RJ-45	CE100, CE250A, CE252, CE350, CE370, CE600, CE602, CE604, CE610A, CE620, CE624, CE700A, CE750A, CE770, CE774, CE775, CE790, CE800B
U	2L-2901 Shield Cable	Cat 5	RJ-45	RJ-45	CE100, CE250A, CE252, CE350, CE370, CE600, CE602, CE604, CE610A, CE620, CE624, CE700A, CE750A, CE770, CE774, CE775, CE790, CE800B

Accessories

Image	Part No.	Product Name	Compatible Products
	2XRT-0003G	IR Extender Cable	CM1164
	2X-EA12	LockPro - HDMI Cable Lock	CS1798, CS17916
	2A-127G	DVI to HDMI Converter	Compatible with most models equipped with DVI interface
	2A-128G	HDMI to DVI Converter	Compatible with most models equipped with HDMI interface

Product Compatibility List

KVM	Expansion	
	Connection	Compatible KVMs
CL1308	Cascade	CS1308, CS1316
CL1316	Cascade	CS1308, CS1316
CL6708	Cascade	CS1768
CS1308	Cascade	CS1308, CS1316, CS1754, CS1758
CS1316	Cascade	CS1308, CS1316, CS1754, CS1758
CS1754	Cascade	CS1754, CS1758
CS1758	Cascade	CS1754, CS1758
CS1768	Cascade	CS1768
CS1788	Cascade	CS1788
CS1798	Cascade	CS1798
CS17916	Cascade	CS1798, CS17916
CS228	Cascade	CS9134*, CS9138*
CS428	Cascade	CS9134*, CS9138*
CS9134	Cascade	CS138A, CS9138, CS9134
CS9138	Cascade	CS138A, CS9138, CS9134
ACS1216A	Daisy-Chain	ACS1208A, ACS1216A, CS1708A**, CS1716A**
CL1008	Daisy-Chain	ACS1208A, ACS1216A
CL1016	Daisy-Chain	ACS1208A, ACS1216A
CL5708	Daisy-Chain	ACS1208A, ACS1216A, CS1708A, CS1716A
CL5716	Daisy-Chain	ACS1208A, ACS1216A, CS1708A, CS1716A
CL5808	Daisy-Chain	ACS1208A, ACS1216A, CS1708A, CS1716A
CL5816	Daisy-Chain	ACS1208A, ACS1216A, CS1708A, CS1716A
CS1708A	Daisy-Chain	ACS1208A, ACS1216A*, CS1708A, CS1716A
CS1716A	Daisy-Chain	ACS1208A, ACS1216A*, CS1708A, CS1716A

Note:
* Does not support the audio features of audio – enabled KVM switches
** Must be the first level

Hotkeys

Models	Hotkey Mode (Invoke Hotkeys)	Port Selection	Invoke OSD
CS1788, CS1768, CS1308, CS1316, CS1708A, CS1716A, CS1708I, CS1716I, CS1754, CS1758, CL6708MW, CL5708, CL5716, CL5808, CL5816, CM1164, CS1798, CS17916	Default: Num Lock – or Alternate: Ctrl F12	Default: Num Lock – (n) Enter or Alternate: Ctrl F12 (n) Enter	Default: Scroll Lock Scroll Lock or Alternate: Ctrl Ctrl
CL1008, CL1016	Default: Num Lock –	Default: Num Lock – (n) Enter	Default: Scroll Lock Scroll Lock or Alternate: Ctrl Ctrl
ACS1216A	Default: Num Lock * or Alternate: Num Lock –	Default: Num Lock * (n) Enter or Alternate: Num Lock – (n) Enter	Default: Scroll Lock Scroll Lock or Alternate: Ctrl Ctrl
CS9134, CS9138	Ctrl Shift Alt	Ctrl Shift Alt (n) Enter	Default: Scroll Lock Scroll Lock or Alternate: Ctrl Ctrl
CS228, CS428	—	—	Default: Scroll Lock Scroll Lock or Alternate: Ctrl Ctrl
CS692, CS682, CS52A, CS52, CS782DP, CS72D, CS74D	Default: Scroll Lock Scroll Lock or Alternate: Ctrl Ctrl	Default: Scroll Lock Scroll Lock Enter or Alternate: Ctrl Ctrl Enter	—
CS62, CS62S, CS62A	—	Default: Scroll Lock Scroll Lock or Alternate: Ctrl Ctrl	—
CS64A	Num Lock –	Num Lock – (n)	—
CS62U, CS62US, CS82U, CS84U	Default: Num Lock – or Alternate: Ctrl F12	Default: Scroll Lock or Alternate: Ctrl Ctrl	—
CS1642A, CS1644A, CS64U, CS64US, CS1942, CS1944, CS1792, CS1794, CS1782A, CS1784A, CS1762A, CS1764A, CS1774, CS1742, CS1744, CS1732A, CS1734A, CS261, CS231, CS1922, CS1924 CS1912, CS1914	Default: Num Lock – or Alternate: Ctrl F12	Default: 1. Scroll Lock Scroll Lock Enter 2. Scroll Lock Scroll Lock (n) Enter or Alternate: 1. Ctrl Ctrl Enter 2. Ctrl Ctrl (n) Enter	—

Hotkeys

Models	Hotkey Mode (Invoke Hotkeys)	Port Selection	Invoke OSD
CS1732B, CS1734B	Default: Num Lock – or Alternate: Ctrl F12	Default: Num Lock – (n) Enter Num Lock – ← ; Num Lock – → Num Lock – ↑ ; Num Lock – ↓ or Alternate: Ctrl F12 (n) Enter Ctrl F12 ← ; Ctrl F12 → Ctrl F12 ↑ ; Ctrl F12 ↓	Default: Scroll Lock Scroll Lock or Alternate: Ctrl Ctrl
CS82A	—	Default: Scroll Lock Scroll Lock or Alternate: Ctrl Ctrl	—
CS84A	—	Ctrl Shift Alt (n) Enter	—
CS72E	—	Scroll Lock Scroll Lock	—
CS74E	—	Scroll Lock Scroll Lock ↓ ; Scroll Lock Scroll Lock ↑ ; Scroll Lock Scroll Lock fn	—
CS533		Alt Alt : Switch Port: Back	

Legend:
(n): The n stands for the computer's Port ID number (1, 2, 3, 4…).
fn: Where Fn represents a function key (from [F1] to [F4]) that corresponds to the KVM port (1 to 4).
← previous port;
→ next port;
↑ last accessible port;
↓ first accessible port

Hotkeys

Our KVM switches provide an extensive, easy-to-use, hotkey function that makes it convenient to access, control, and configure your KVM installation from the keyboard. They offer the simplest way to access the connected computers.

Hotkey Mode

All hotkey operations begin with invoking Hotkey Mode. The invocation sequence depends on the product and the user's preference. In each case, there is a factory default sequence and an alternate sequence that the user can select instead. The Hotkey invocation sequence for each product is shown in the table. The default sequence is given first and appears in bold text.

Port Selection

Hotkey port switching simply involves pressing the appropriate hotkey sequence. In some cases, simply invoking Hotkey Mode cycles you through the available ports; in others, the sequence involves specifying the port ID that the computer you want to access is connected to; while in still other cases, it involves pressing one of the arrow keys.

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