

Product Catalog

KVM and USB Solutions

2025 /
2026



Company Profile

#1
Global KVM
Market Leader

45+
Years of
Excellence

5
Product
Lines

200+
Global Award
Winner

36
Global Sales
Offices

30+
Global Showrooms

650+
Patents Awarded

155M
2024 Total
Revenue (USD)

1.7K
Employees
Worldwide

About ATEN

ATEN International Co., Ltd. (TWSE: 6277), established in 1979, is the leading provider of AV/IT connectivity and management solutions. Offering integrated KVM, professional AV, USB, rack, and intelligent power solutions, ATEN products connect, manage, and optimize AV/IT equipment in corporate, government, education, healthcare, manufacturing, broadcasting media, and transportation environments.

Established	1979
Publicly Traded	2003 (TWSE: 6277)
Headquarters	Taiwan
Worldwide Presence	Australia, Belgium, China, Indonesia, India, Japan, Mexico, Poland, Romania, South Africa, South Korea, the U.K., the U.S., and Türkiye
R&D Centers	Canada, China, Taiwan
Manufacturing Facilities	China, Taiwan, Thailand
Website	www.aten.com



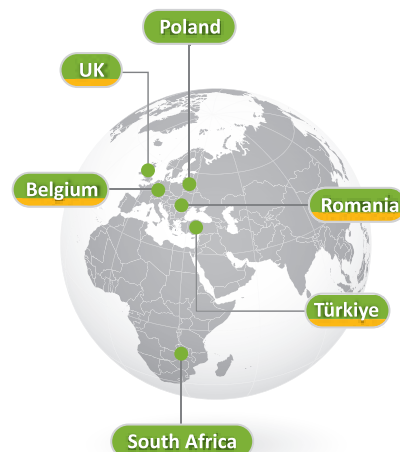
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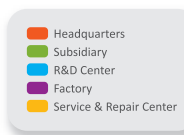
America



Asia-Pacific / Oceania Region



Europe / Africa



Why ATEN?



No. 1 KVM Global Market Leader

- ATEN ranks 1st in the global KVM market share*
- Full range of Enterprise, SMB, and SOHO KVM switch solutions and services

AV/IT

Tailor-made AV/IT Products and Service

- Control, monitor, and maintain audio, visuals, and IT infrastructure
- 45+ years of dedication to AV / IT connectivity and management solutions



End-to-End Design, Reliable Manufacturing

- Extensive R&D capabilities with in-house ASIC / FPGA IC design capabilities
- Three manufacturing sites in Asia provide reliable quantities and quality



Global Service, Local Support

- 30+ showrooms for hands-on product demos
- 36 global sales offices / 12+ RMAs for real-time support

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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 and USB configuration. Users can choose the switch that matches their hardware – even combining USB and PS/2 keyboards and mice.

- **Boundless Switching**

ATEN Boundless Switching technology provides intuitive mouse cursor switching by allowing you to move your mouse across screen/window boundaries to switch between video sources.

- **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**

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 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 USB console ports, allowing USB peripherals to connect to the switch and be shared by all the computers on the installation.

- **Video DynaSync™**

Exclusive ATEN technology eliminates boot-up display problems and optimizes resolutions when switching among different sources.

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

	US3312	CS52DP	CS22HF	CS22H	CS22DP	CS22D
Number of Computers	2					
Console Interface	USB DisplayPort	USB DisplayPort	USB HDMI	USB HDMI	USB DisplayPort	USB DVI-D
Computer Interface	USB-C	USB DisplayPort USB-C	USB HDMI	USB HDMI	USB DisplayPort	USB DVI-D
Max. Resolution	4096 x 2160 @ 60Hz	1920 x 1080 @ 144Hz 2560 x 1440 @ 144Hz 4096 x 2160 @ 60Hz	1920 x 1200 @ 60Hz 1920 x 1080 @ 60Hz	1920 x 1080 @ 144Hz 2560 x 1440 @ 144Hz 4096 x 2160 @ 60Hz	4096 x 2160 @ 30Hz	1920 x 1200 @ 60Hz
USB Peripheral	✓					
Video DynaSync™	N/A					
Audio	USB	Speaker Microphone	N/A	Speaker Microphone	Speaker Microphone	N/A
Multi-Platform Support	Windows / Mac / Android / iPadOS	Windows / Mac / Linux / Android	Windows / Mac / Linux	Windows / Mac / Linux	Windows / Mac / Linux	Windows / Mac / Sun / Linux
Cable Length	1.2 m					

	CS62KM	CV211	CS682	CS692
Number of Computers	2	1	2	2
Console Interface	USB	USB	USB DVI-D	USB HDMI
Computer Interface	USB	USB VGA	USB DVI-D	USB HDMI
Max. Resolution	N/A	1920 x 1200	1920 x 1200	1920 x 1200
USB Peripheral	✓	N/A	✓	✓
Video DynaSync™	N/A	N/A	✓	✓
Audio	N/A	N/A	Speaker Microphone	Speaker Microphone
Multi-Platform Support	Windows / Mac	Windows / Mac / Linux	Windows / Mac / Sun / Linux	Windows / Mac / Linux
Cable Length	1.2 m	1.8 m	1.2 m	1.2 m

	CS64US	CS22U	CS62S	CS64U
Number of Computers	4	2	2	4
Console Interface	USB VGA	USB VGA	PS/2 VGA	USB VGA
Computer Interface	USB VGA	USB VGA	PS/2 VGA	USB VGA
Max. Resolution	2048 x 1536			
USB Peripheral	✓	✓	N/A	✓
Video DynaSync™	✓	N/A	N/A	✓
Audio	Speaker	N/A	N/A	Speaker
Multi-Platform Support	Windows / Mac / Sun / Linux	Windows / Mac / Sun / Linux	Windows / Linux	Windows / Mac / Sun / Linux
Cable Length	0.9 m 1.2 m	0.9 m	0.9 m	1.8 m



CV211

Laptop USB KVM Console Crash Cart Adapter



Features

- Transforms your laptop into an ultra mobile console for servers, computers, kiosks and ATMs
- Instant BIOS-level access and no software installation
- Bi-directional file transfers between the laptop and target computer
- USB bus-powered design and supports 1920 x 1200 @ 60 Hz video resolution



CV211 Rear View

CS62KM

2-Port USB Boundless Cable KM Switch



Features

- Single USB keyboard and mouse control up to 2 computers
- Boundless Switching – simply move the mouse cursor across the display border and onto the corresponding display of the target computer to switch the keyboard/mouse operations from one computer to the next
- Bus-powered – no external power adapter required
- Works with Windows, iOS, Android, macOS, and Linux operating systems



US3312

2-Port 4K DisplayPort USB-C Cable KVM Switch with Remote Port Selector



Features

- One KVM switch allows for easy control and fast switch between two USB-C devices from a single set of keyboard, mouse, and monitor
- Superior video quality — up to 4096 x 2160 @ 60 Hz (4:4:4)
- Supports two USB and one DisplayPort downstream ports for USB peripheral sharing
- Instant computer selection via remote port selector



CS52DP

2-Port USB-C DisplayPort Hybrid Cable KVM Switch



Features

- One KVM console controls one USB DisplayPort computers and one USB-C device
- Superior video quality – up to 4096 x 2160 @ 60 Hz
- Computer selection via remote port selector
- Supports DisplayPort Alternate Mode (DP Alt Mode) which enables the USB connection to carry DisplayPort signals
- Hook design for space-saving and organized workstation



CS22DP

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



Features

- One KVM console controls two USB DisplayPort computers
- Superior video quality – up to 4096 x 2160 @ 30 Hz
- Multiplatform support – Windows, Mac, and Linux
- Computer selection via Remote Port Selector
- Bus-powered design



CS22H

2-Port USB 4K HDMI Cable KVM Switch with Remote Port Selector



Features

- One KVM console controls two USB HDMI computers
- Superior video quality – up to 4096 x 2160 @ 60 Hz
- Hook design for space-saving and organized workstation
- Computer selection via Remote Port Selector
- Bus-powered design



CS22HF

2-Port USB FHD HDMI Cable KVM Switch



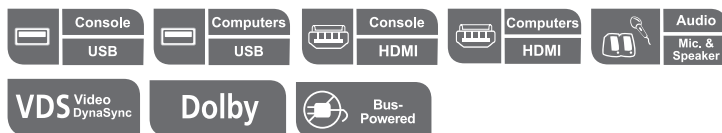
Features

- One KVM console controls two computers with USB and HDMI interface
- Superior video quality – up to 1920 x 1080 @ 60 Hz / 1920 x 1200 @ 60 Hz
- Computer selection via Remote Port Selector
- HDMI compliant; HDCP 1.4 compliant
- Bus-powered design



CS692

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



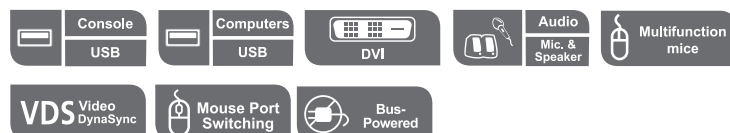
Features

- Superior video quality – up to 1920 x 1200 and 1080p
- Computer selection via a remote port selector, hotkeys, and USB mouse
- Independent switching of the KVM and Audio focus – one computer has the KVM focus and the other the Audio focus
- Built-in all-in-one cables (2 x 1.2 m) and bus-powered design
- Video DynaSync™ – Exclusive ATEN technology eliminates boot-up display problems and optimizes resolution when switching between ports



CS682

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



Features

- Superior video quality – up to 1920 x 1200 @ 60 Hz
- Computer selection via a remote port selector, hotkeys, and USB mouse
- Independent switching of the KVM and Audio focus – one computer has the KVM focus and the other the Audio focus
- Built-in all-in-one cables (2 x 1.2 m) and bus-powered design
- Video DynaSync™ – Exclusive ATEN technology eliminates boot-up display problems and optimizes resolution when switching between ports



CS22D

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



Features

- Superior video quality – up to 1920 x 1200 @ 60 Hz
- Computer Selection via Remote Port Selector
- Bus-powered design
- OS Support: Windows 2000, Windows XP, Windows Vista, 7, Mac, Sun and Linux



CS64U / CS64US

4-Port USB VGA/Audio Cable KVM Switch (1.8 m / 0.9 m, 1.2 m)



Features

- Superior video quality – up to 2048 x 1536 @ 60 Hz ; DDC2B
- Computer Selection via hotkey
- Multiplatform support - Windows, Linux, Mac, and Sun
- One USB console controls four USB computers
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes resolution when switching between ports
- Auto Scan function to monitor computer operation



CS22U

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



Features

- Superior video quality – up to 2048 x 1536; DDC2B
- Computer Selection via a Remote Port Selector
- Multiplatform support – Windows, Mac, Linux and Sun
- Bus-powered design



CS62S

2-Port PS/2 VGA Cable KVM Switch (0.9 m)



Features

- Superior video quality-up to 2048 x 1536; DDC2B
- Computer selection via hotkeys
- OS Compatibility includes Windows 2000/XP/Vista, Linux and FreeBSD
- Auto Scan function to monitor computer operation
- One PS/2 console controls 2 PS/2 computers



Cat 5 KVM Switches



ATEN Multi-Interface Cat 5 High-Density KVM Switches are designed to improve IT asset management by reducing costs and consolidating access and control of computer resources. These KVM switches feature a compact 1U high housing design, 8, 16, or 32-port configurations and control from up to two KVM consoles. ATEN Multi-Interface Cat 5 High-Density KVM Switches let you manage PS/2, USB, Sun, and serial devices from one source. The administrators can easily connect and manage servers with the on-screen display (OSD), hotkey combinations, and pushbuttons located on the switch. The powerful Auto Scan function allows users to scan all server activities running on the installation by interval setting or automatically scan one port at a time

- **Flexible Deployment**

Cat 5e/6 cables can extend your connection up to 50 m. They also minimize cable clutter and eliminate the need to purchase additional KVM extenders.

- **Multi-Platform Integration**

Windows, Mac, Sun, Linux, and VT100 based serial devices can be easily managed from one solution by using KVM adapter cables.

- **Grow Your Business With Smart Investment**

Effortlessly expand your growing network by using the existing switches and daisy-chain additional switches to control up to 1,024 servers.

- **Working Smart**

ATEN's unique Adapter ID function simplifies the server re-allocation and reconfiguration procedures. All that is required is to move the server's adapter cable along with the server. When you move a server with its adapter cable from one port to another, the Adapter ID function retains all the settings at the new location.

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

	KH1508A	KH1516A	KH1532A	KH2508A	KH2516A
Max. Computers controlled	256	512	1024	128	256
Number of Consoles	1	1	1	2	2
Console Interface	PS/2, USB, VGA				
Number of Computers	8	16	32	8	16
Max. Distance	50m				
Push buttons Port	✓				
Multi-Platform Support	Windows, Mac, Sun, Linux				
Computer Connector	RJ-45				
Max. Resolution	1920 x 1200	1920 x 1200	1920 x 1200	1600 x 1200	1600 x 1200

KH1508A / KH1516A / KH1532A

8/16/32-Port Multi-Interface (DisplayPort, HDMI, DVI, VGA) Cat 5 KVM Switch



Features

- One KVM console control up to 8/16/32 directly connected computers
- Daisy-chain up to 31 additional KVM switches for control of up to 256 / 512 / 1024 servers
- Three port selection methods: Manual (via front panel pushbuttons), Hotkey, and OSD (On Screen Display)
- Two-level password security – supports one administrator and ten user profiles.
- Superior Video Quality- Supports the video resolutions up to 1920 x 1200 @ 60Hz for up to 30 meters, 1600 x 1200 @ 60Hz for up to 40 meters, and 1280 x 1024 @ 75Hz for up to 50 meters

KH1532A



Front



Rear



KH2508A / KH2516A

2-Console 8/16-Port Multi-Interface (DisplayPort, HDMI, DVI, VGA) Cat 5 KVM Switch



Features

- Two KVM consoles independently and simultaneously control up to 8/16 directly connected computers
- Daisy-chain up to 15 additional KVM switches for control of up to 128 / 256 servers
- Three port selection methods: Manual (via front panel pushbuttons), Hotkey, and OSD (On Screen Display)
- Two-Level Password Security – supports one administrator and ten user profiles.
- Superior Video Quality – Supports the video resolutions up to 1920 x 1200 @ 60Hz for up to 30 meters, 1600 x 1200 @ 60Hz for up to 40 meters, and 1280 x 1024 @ 75Hz for up to 50 meters

KH2516A



Front



Rear



Computer Sharing Devices

Feature Comparison

	CS231
Audio	N/A
Share Mode Support	✓
Firmware Upgradable	✓
RS-232 Support	N/A
Console Interface	USB, VGA
Number of Computers	1
Computer Interface	PS/2, USB, VGA (SPHD)
Number of Consoles	2
Max. Resolution	1920 x 1440

CS231

USB VGA Computer Sharing Device



Features

- Share a VGA computer with two USB console
- Supports VGA, SVGA Multisync monitors
- Manual or Auto console selection
- On-Screen-Display informs user when system is in use



Front



Rear



Desktop KVM Switches



ATEN desktop KVM switches provide both ergonomic style and advanced functionality for the SOHO desktop environment. Desktop KVM switches allow you to switch and manage up to four PCs with various video types, such as USB-C, DisplayPort, HDMI, DVI, or VGA, and share USB peripherals and multi-channel audio functionality from one single-screen to three-screen console.

• Boundless Switching

ATEN Boundless Switching technology provides intuitive mouse cursor switching by moving your mouse across screen/window boundaries to switch between video sources.

• 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 using on one monitor, while they keep an eye on the video output of the other computers on the second one, allowing the video output to seamlessly display on two monitors.

• Up to 4K DCI Resolution with a Wide Range of Video Standards

All ATEN desktop KVM solutions offer stunning video quality in a range of video standards, including USB-C, DisplayPort, HDMI, Dual Link DVI, and more, allowing you to keep pace with the boom in 4K DCI (4096 x 2160 @ 60Hz) video content across all sectors and take full advantage of the benefits of visual excellence in terms of both work efficiency and viewing pleasure.

• Video DynaSync™

Exclusive ATEN technology eliminates boot-up display problems and optimizes resolutions when switching among different sources.

• 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

	CS1922ATC	CS1924ATC	CS1942ATC	CM1284	CM1164A	CM1942
Number of Computers	2	4	2	4	4	2
Computer Interface	USB DisplayPort	USB DisplayPort	USB DisplayPort	USB HDMI	USB DVI-D	USB DisplayPort
Console Interface	USB DisplayPort	USB DisplayPort	USB DisplayPort	USB HDMI	USB DVI-D	USB HDMI
Max. Resolution	4096 x 2160@60Hz	4096 x 2160@60Hz	4096 x 2160@60Hz	4096 x 2160@30Hz	1920 x 1200 @ 60Hz	1920 x 1080 @ 144Hz 2560 x 1440 @ 144Hz 4096 x 2160@60Hz
USB Peripheral	✓					
Firmware Upgradable	✓					
Dual Display	N/A	N/A	✓	✓	N/A	✓
Video DynaSync™	✓	✓	✓	✓	✓	✓
Auto Scan	✓					
Independent Switching	✓					
Daisy Chain	N/A	N/A	N/A	✓	✓	N/A
RS-232 Control	✓	✓	✓	✓	✓	N/A
Cascadable	N/A	N/A	N/A	✓	✓	N/A
Power Fail over	✓	✓	✓	N/A	N/A	N/A
Zero-Second Switch	✓	✓	✓	N/A	N/A	N/A
Boundless Switching	N/A	N/A	N/A	✓	✓	✓
Audio	Speaker, Microphone					
Multi-Platform Support	Windows Linux	Windows Linux	Windows Linux	Windows Sun Linux	Windows Sun Linux	Windows Linux
USB Standard	3.1 Gen1	3.1 Gen1	3.1 Gen1	2	2	3.1 Gen1

	CS1953	CS1964	CS1942DPA	CS1944DPA	CS1942DP	CS1944DP
Number of Computers	3	4	2	4	2	4
Computer Interface	USB DisplayPort USB-C	USB DisplayPort	USB DisplayPort	USB DisplayPort	USB DisplayPort	USB DisplayPort
Console Interface	USB DisplayPort	USB HDMI	USB DisplayPort	USB DisplayPort	USB DisplayPort	USB DisplayPort
Max. Resolution	2560 x 1440 @ 144Hz 4096 x 2160@60Hz	1920 x 1080 @ 144Hz 2560 x 1440 @ 144Hz 4096 x 2160@60Hz	4k@120 5120 x 2160@60Hz 8k@60	4k@120 5120 x 2160@60Hz 8k@60	1920 x 1080 @ 144Hz 2560 x 1440 @ 144Hz 4096 x 2160@60Hz	1920 x 1080 @ 144Hz 2560 x 1440 @ 144Hz 4096 x 2160@60Hz
USB Peripheral	✓					
Firmware Upgradable	✓					
Dual Display	N/A	N/A	✓	✓	✓	✓
Video DynaSync™	N/A	✓	N/A	N/A	N/A	N/A
Auto Scan	✓					
Independent Switching	✓					
Daisy Chain	N/A	✓	✓	✓	✓	✓
RS-232 Control	N/A	✓	✓	✓	✓	✓
USB-C Power Delivery	✓	N/A	N/A	N/A	N/A	N/A
Support MST	✓	N/A	✓	✓	✓	✓
Support DP++	✓	N/A	✓	✓	✓	✓
Triple Display	N/A	✓	N/A	N/A	N/A	N/A
Audio	Speaker	Speaker Microphone	Speaker Microphone	Speaker Microphone	Speaker Microphone	Speaker Microphone
Multi-Platform Support	Windows Mac Linux					
USB Standard	3.1 Gen1					

	CS1922M	CS1924M	CS1922	CS1924	CS1912	CS1914
Number of Computers	2	4	2	4	2	4
Computer Interface	USB DisplayPort					
Console Interface	USB HDMI DisplayPort	USB HDMI DisplayPort	USB DisplayPort	USB DisplayPort	USB DisplayPort	USB DisplayPort
Max. Resolution	1920 x 1080 @ 144Hz 2560 x 1440 @ 144Hz 4096 x 2160@60Hz	1920 x 1080 @ 144Hz 2560 x 1440 @ 144Hz 4096 x 2160@60Hz	1920 x 1080 @ 144Hz 2560 x 1440 @ 144Hz 4096 x 2160@60Hz	1920 x 1080 @ 144Hz 2560 x 1440 @ 144Hz 4096 x 2160@60Hz	3840 x 2160 @ 30Hz	3840 x 2160 @ 30Hz
USB Peripheral	✓					
Firmware Upgradable	✓					
Dual Display	✓	✓	N/A	N/A	N/A	N/A
Auto Scan	✓					
Independent Switching	✓					
RS-232 Control	✓	✓	N/A	N/A	N/A	N/A
Built-in MST	✓	✓	N/A	N/A	N/A	N/A
Support MST	✓	✓	✓	✓	N/A	N/A
Support DP++	✓					
Audio	Speaker Microphone	Speaker Microphone	Speaker Microphone	Speaker Microphone	Speaker	Speaker
Multi-Platform Support	Windows Mac Linux					
USB Standard	3.1 Gen1					

	CS782DP	CS784H	CS1842	CS1844	CS1822	CS1824
Number of Computers	2	4	2	4	2	4
Computer Interface	USB DisplayPort	USB HDMI	USB HDMI	USB HDMI	USB HDMI	USB HDMI
Console Interface	USB DisplayPort	USB HDMI	USB HDMI	USB HDMI	USB HDMI	USB HDMI
Max. Resolution	2560 x 1440 @ 144Hz 4096 x 2160@60Hz	1920 x 1080 @ 144Hz 2560 x 1440 @ 144Hz 4096 x 2160 @ 60Hz	1920 x 1080 @ 144Hz 2560 x 1440 @ 144Hz 4096 x 2160@60Hz	1920 x 1080 @ 144Hz 2560 x 1440 @ 144Hz 4096 x 2160@60Hz	1920 x 1080 @ 144Hz 2560 x 1440 @ 144Hz 4096 x 2160@60Hz	1920 x 1080 @ 144Hz 2560 x 1440 @ 144Hz 4096 x 2160@60Hz
USB Peripheral	✓					
Firmware Upgradable	✓					
Dual Display	N/A	N/A	✓	✓	N/A	N/A
Video DynaSync™	N/A	✓	✓	✓	✓	✓
Auto Scan	✓					
Independent Switching	✓	N/A	✓	✓	✓	✓
Daisy Chain	N/A	N/A	✓	N/A	N/A	N/A
RS-232 Control	N/A	N/A	✓	✓	✓	✓
Support MST	✓	N/A	N/A	N/A	N/A	N/A
Support DP++	✓	N/A	N/A	N/A	N/A	N/A
Audio	Speaker	Speaker	Speaker Microphone	Speaker Microphone	Speaker	Speaker
Multi-Platform Support	Windows Mac Linux	Windows Mac Linux	Windows Mac Linux	Windows Mac Linux	Windows Mac Linux	Windows Mac Linux
USB Standard	2.0	2.0	3.1 Gen1	3.1 Gen1	3.1 Gen1	3.1 Gen1

	CS1792	CS1794	CS1782A	CS1784A	CS1762A
Number of Computers	2	4	2	4	2
Computer Interface	USB HDMI	USB HDMI	USB DVI-I (Dual Link)	USB DVI-I (Dual Link)	USB DVI-I
Console Interface	USB HDMI	USB HDMI	USB DVI-I (Dual Link)	USB DVI-I (Dual Link)	USB DVI-I
Max. Resolution	1920 x 1200 @ 60Hz	1920 x 1200 @ 60Hz	2560 x 1600	2560 x 1600	1920 x 1200 @ 60Hz
USB Peripheral	✓				
Firmware Upgradable	✓				
Video DynaSync™	✓	✓	✓	✓	✓
Auto Scan	✓				
Independent Switching	✓				
Audio	Speaker Microphone	Speaker Microphone	Speaker Microphone	Speaker Microphone	Speaker Microphone
Multi-Platform Support	Windows Mac Linux	Windows Mac Linux	Windows Mac Sun Linux	Windows Mac Sun Linux	Windows Mac Sun Linux
USB Standard	2.0				

	CS1764A	CS1642A	CS1644A	CS1732B	CS1734B
Number of Computers	4	2	4	2	4
Computer Interface	USB DVI-I	USB DVI-I (Dual Link)	USB DVI-I (Dual Link)	PS/2 USB VGA (SPHD)	PS/2 USB VGA (SPHD)
Console Interface	USB DVI-I	USB DVI-I (Dual Link)	USB DVI-I (Dual Link)	USB VGA	USB VGA
Max. Resolution	1920 x 1200 @ 60Hz	2560 x 1600	2560 x 1600	2048 x 1536	2048 x 1536
USB Peripheral	✓				
Firmware Upgradable	✓				
Video DynaSync™	✓	✓	✓	N/A	N/A
Auto Scan	✓				
Independent Switching	✓				
Audio	Speaker Microphone	Speaker Microphone	Speaker Microphone	Speaker Microphone	Speaker Microphone
Multi-Platform Support	Windows Mac Sun Linux	Windows Mac Sun Linux	Windows Mac Sun Linux	Windows Mac Sun Linux	Windows Mac Sun Linux
USB Standard	2.0				

	CS82U	CS84U	CS72U	CS74	CS82A	CS84A
Number of Computers	2	4	2	4	2	4
Computer Interface	PS/2 USB VGA (SPHD)	PS/2 USB VGA (SPHD)	USB VGA (SPHD)	USB VGA (SPHD)	PS/2 VGA	PS/2 VGA
Console Interface	PS/2 USB VGA	PS/2 USB VGA	USB VGA	USB VGA	PS/2 VGA	PS/2 VGA
Max. Resolution	2048 x 1536	2048 x 1536	2048 x 1536	2048 x 1536	1920 x 1440	1920 x 1440
Firmware Upgradable	✓	✓	N/A	N/A	N/A	N/A
Video DynaSync™	✓	✓	N/A	N/A	N/A	N/A
Auto Scan	✓	✓	N/A	N/A	✓	✓
Bus - Powered	✓					
Audio	N/A	N/A	Speaker Microphone	Speaker Microphone	N/A	N/A
Multi-Platform Support	Windows Mac Sun Linux	Windows Mac Sun Linux	Windows Mac Sun Linux	Windows Mac Sun Linux	Windows Linux	Windows Linux

	US3311	US3310
Number of Computers	2	
Computer Interface	USB -C	USB -C
Console Interface	USB DisplayPort	USB HDMI
Max. Resolution	8K 7680 × 4320, 4K 3840 x 2160 @ 144 / 120 / 60 Hz	3840 x 2160 @ 30 Hz
USB-C Power Delivery	V	V
Number of Device Port	4	2
USB Standard	3.2 Gen 1	3.2 Gen1
Audio	USB	USB
Multi-Platform Support	Windows / Mac / Android / iPadOS / iOS	Windows / Mac / Android / iPadOS

CS1922ATC / CS1924ATC

2/4-Port USB 3.0 4K DisplayPort KVM^P™ Switch for ATC



Features

- One USB / DisplayPort console controls 2/4 DisplayPort computers and shares 2 USB peripherals
- Supports 2048 x 2048 @ 60 Hz screen resolutions dedicated for radar monitoring; maximum resolution up to 4096 x 2160 @ 60 Hz
- Zero-Second Switch – provides continuous video stream and real-time switching
- Supports power failover – 2 DC jacks for power redundancy to ensure constant availability for mission-critical applications
- Computer Selection via front panel pushbuttons, hotkeys, mouse, RS-232 commands, and remote port selector
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes resolutions when switching between ports
- EDID Expert™ – smooth power-up, high-quality display and use of the best video resolution across different screens

CS1922ATC



Front



Rear



CS1924ATC



Front



Rear



CS1942ATC

2-Port USB 3.0 4K DisplayPort Dual Display KVM^P™ Switch for ATC



Features

- One USB / DisplayPort console controls 2 DisplayPort computers and shares 2 USB peripherals
- Supports 2048 x 2048 @ 60 Hz screen resolutions dedicated for radar monitoring; maximum resolution up to 4096 x 2160 @ 60 Hz
- Zero-Second Switch – provides continuous video stream and real-time switching
- Supports power failover – 2 DC jacks for power redundancy to ensure constant availability for mission-critical applications
- Computer Selection via front panel pushbuttons, hotkeys, mouse, RS-232 commands, and remote port selector
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes resolutions when switching between ports
- EDID Expert™ – smooth power-up, high-quality display and use of the best video resolution across different screens

Front



Rear



2XRT-0021G

ATEN Desktop KVM Remote Port Selector with Keypad

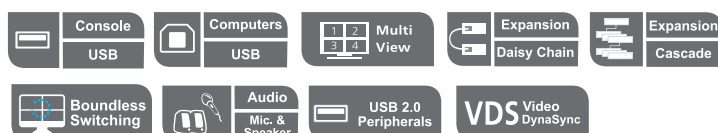
Features

- Plug-and-Play – no additional software installation is required
- Auto Detection
- Clear LED indications reflect real-time KVM status
- Compact size with 1.8 m cable for easy deployment



CM1284

4-Port USB 4K HDMI Multi-View KVMP™ Switch



Features

- 4-Port USB HDMI Multi-View KVMP switch with Dual Display. One display is with Quad and PiP/PbP/PoP modes, and the other is with full-screen mode
- Easily resize and / or reposition any PiP or PbP to suit users' viewing needs; Supports superior video quality – up to 4K DCI @ 30Hz (4096 x 2160 @ 30Hz); YCbCr 4 : 2 : 2
- DCC (Daisy Chain Control) – Controls up to 3 additional CM1284 units from a single console; Cascade up to 2 levels – Controls up to 16 computers (with up to 4 x 4 Multi-view mode)
- Boundless Switching – simply move the mouse cursor across windows to switch to other video sources even among the daisy chained installation
- Computer selection via front panel pushbutton and hotkey, mouse, and the serial commands



Front



Rear



CM1164A

4-Port USB DVI Multi-View KVMP™ Switch



Features

- Multi-view console controls up to four video sources on one screen with display modes including Quad View, Picture in Picture (PiP), Picture by Picture (PbP), and Picture on Picture (PoP)
- Easily resize and / or reposition any PiP or PbP to suit users' viewing needs; Supports superior video quality – up to 1920 x 1200; YCbCr 4:2:2
- DCC (Daisy Chain Control) – Controls up to 3 additional CM1164A units from a single console; Cascade up to 2 levels – Controls up to 16 computers (with up to 4 x 4 Multi-view mode)
- Boundless Switching – simply move the mouse cursor across windows to switch to other video sources even among the daisy chained installation
- Computer selection via front panel pushbutton and hotkey, mouse, and the serial commands



Front



Rear



CM1942

2-Port USB 4K DisplayPort Dual Display Mini-Matrix Boundless KVM Switch



Features

- One dual-view USB / HDMI console controls two DisplayPort computers and two USB 3.1 Gen 1 peripherals
- Two PC Operation Modes:
 - Single PC Mode** – allows content of the PC with current KVM focus to be displayed over both monitors
 - Dual PC Mode** – allows content of two PCs to be displayed separately on two monitors regardless of the KVM focus
- Supports superior video quality – resolutions up to 4K DCI (4096 x 2160 @ 60 Hz)
- Boundless Switching – allows the mouse cursor to move across screen borders for quick switching between video sources
- Computer selection via pushbuttons, hotkeys, mouse wheel, mouse cursor, and remote port selector



Front



Rear



CS724KM

4-Port USB Boundless KM Switch



Features

- Single USB keyboard and mouse control up to 4 computers
- Daisy-chain two CS724KM units to control up to 8 computers with a single keyboard and mouse
- Boundless Switching – simply move the mouse cursor across the display border and onto the corresponding display of the target computer to switch the keyboard/mouse operations from one computer to the next.
- Boundless Switching Configuration Utility – an intuitive GUI tool that enables users to customize monitor layouts
- Port selection via front panel pushbutton, keyboard hotkey, mouse cursor, mouse wheel, and RS-232 commands



Front

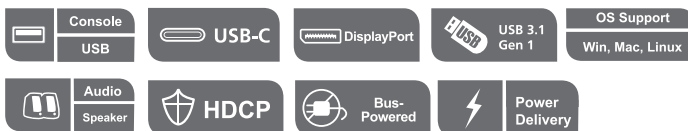


Rear



CS1953

3-Port USB-C DisplayPort Hybrid KVM^{PTM} Switch



Features

- One USB keyboard, mouse and one DisplayPort monitor control two DisplayPort computers and one USB-C device
- Superior video quality – 4096 x 2160 @ 60Hz and 3840 x 2160 @ 60Hz; 2-port USB 3.1 Gen 1 hub with SuperSpeed 5 Gbps data transfer rates
- Provides USB Power Delivery 3.0 for USB-C device charging up to 45W
- Computer selection via pushbuttons, hotkeys, mouse, and remote port selector



Front

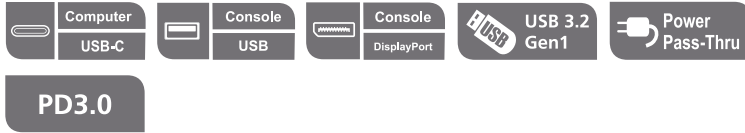


Rear



US3311

2-Port 4K DisplayPort USB-C KVM Switch with Power Pass-through I Duo Flex (8K, USB 3.2 / 4.0, Thunderbolt 4 Compatible)



Features

- 2-in-1 solution for 2 USB-C host devices – combines a KVM switch and a multiport dock with 4 x USB 3.2 Gen 1 Type-A ports, 1 x DisplayPort, 1 x USB-C PD input, and 1 x DC jack input
- Supports DP 1.4 Alt Mode
- Superior video quality – up to 8K 7680 × 4320, 4K 3840 × 2160 @ 144 / 120 / 60 Hz*
- Supports PD 3.0 up to 100 W USB PD charging - allows your laptop to obtain the maximum power via your USB-C power adapter
- Instant computer selection via Port Switch Button

Note: Please make sure your host device and its accessories meet the Thunderbolt 4 or USB 4.0, with DP 1.4 specifications to deliver up to 4K @ 144 / 120 Hz and 8K resolutions. The USB bandwidth may be limited to USB 2.0 when the video output resolution is over 4K @ 60 Hz.



Front



Rear



US3310

2-Port 4K HDMI USB-C KVM Dock Switch with Power Pass-through



Features

- Allows a USB-C laptop and an Android Smartphone to share one HDMI monitor and all connected USB peripherals*
- Compatible with Apple M1 chip devices; provides USB Power Delivery 3.0 for laptop charging up to 85W (additional USB-C Power Adapter is needed)**
- Supports 4K resolutions – up to 3840 × 2160 @ 30Hz
- ATEN's Video DynaSync™ technology – always optimizes display settings
- Instant computer selection via remote port selector

Note:

*For video output to work through a USB-C port, it must support DP Alt Mode.

**For device charging, a Limited Power Source (LPS) certified USB-C PD Power Adapter over 65Watt is recommended. The minimum system power requirement for basic USB functions and video output should be at least 5V, 3A.



Front

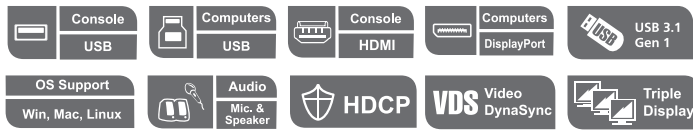


Rear



CS1964

4-Port USB 3.0 4K DisplayPort Triple Display KVM™ Switch



Features

- One USB keyboard/mouse and three HDMI monitors control four DisplayPort computers
- Superior video quality – 4096 x 2160 @ 60Hz and 3840 x 2160 @ 60Hz; 2-Port USB 3.1 Gen 1 hub with SuperSpeed 5 Gbps data transfer rates
- Hex-Display – connect a second CS1964 unit for two triple-display setup controlled by one operator
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes resolutions when switching between ports
- Computer selection via pushbuttons, hotkeys, mouse, and RS-232 Commands



Front



Rear



CS1942DPA / CS1944DPA

2/4-Port USB 3.0 8K DisplayPort Dual Display KVM™ Switch



Features

- Superior video quality – 7680 x 4320 @ 60Hz and 4096 x 2160 @ 120Hz; USB 3.1 Gen 1 hub with SuperSpeed 5 Gbps data transfer rates
- Quad-Display – Easily connect two units for a second dual-screen setup controlled through a single connection
- Computer Selection via pushbuttons, remote port selector, hotkeys, mouse, and RS-232 commands
- DisplayPort Dual-Mode technology (DP++) supports HDMI and DVI signals via a DisplayPort-to-HDMI/DVI DP++ adapter*

Note:

DisplayPort Dual-Mode 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.

CS1942DPA



Front



Rear



CS1944DPA



Front



Rear



CS1942DP / CS1944DP

2/4-Port USB 3.0 4K DisplayPort Dual Display KVM™ Switch



Features

- One USB keyboard and mouse controls two/four DisplayPort computers and share two USB peripherals
- Superior video quality – 4096 x 2160 @ 60Hz and 3840 x 2160 @ 60Hz; 2-Port USB 3.1 Gen 1 hub with SuperSpeed 5 Gbps data transfer rates
- Quad-Display – easily connect two CS1942DPC / CS1944DP units for a second dual-screen setup controlled through a single connection
- Multi-Stream Transport (MST) allows multiple monitors through a single DisplayPort connector
- DisplayPort Dual-Mode technology (DP++) supports HDMI and DVI signals via a DisplayPort-to-HDMI/DVI DP++ adapter
- Computer Selection via front panel, hotkeys, mouse, and RS-232 commands

CS1942DP



Front



Rear



CS1944DP



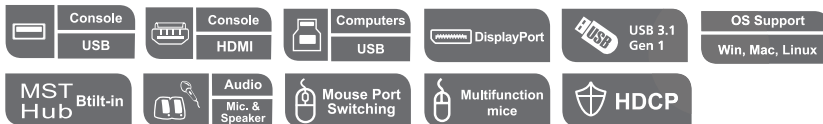
Front



Rear

CS1922M / CS1924M

2/4-Port USB 3.0 4K DisplayPort MST KVM™ Switch



Features

- One USB keyboard/mouse and DisplayPort or HDMI monitor control two/four computers and two USB peripherals
- Built-in Multi-Stream Transport (MST) hub allows dual displays (DisplayPort / HDMI) from a single DisplayPort source
- Supports 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 speeds
- DisplayPort Dual-Mode (DP++) technology supports HDMI and DVI signals via a DisplayPort-to-HDMI/DVI DP++ adapter
- Computer selection via front panel pushbuttons, hotkeys, USB mouse, and RS-232 commands

CS1922M



Front



Rear



CS1924M



Front



Rear



CS1922 / CS1924

2/4-Port USB 3.0 4K DisplayPort KVM™ Switch



Features

- One USB console controls two/four computers and two USB peripherals
- Supports 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
- Multi-Stream Transport (MST) allows multiple monitors through a single DisplayPort connector
- DisplayPort Dual-Mode technology (DP++) supports HDMI and DVI signals via a DisplayPort-to-HDMI/DVI DP++ adapter
- Computer selection via front panel pushbuttons, hotkeys and mouse

CS1922



Front



Rear



CS1924



Front



Rear



CS1912 / CS1914

2/4-Port USB 3.0 DisplayPort KVM™ Switch



Features

- One USB console controls two/four computers and two USB peripherals
- Supports superior video quality – up to 3840 x 2160 @ 30 Hz
- 2-port USB 3.1 Gen 1 hub with SuperSpeed 5 Gbps transfer rates
- DisplayPort Dual-Mode technology (DP++) supports HDMI and DVI signals via a DisplayPort-to-HDMI/DVI DP++ adapter
- Computer selection via front panel pushbuttons, hotkeys and mouse

CS1912



Front



Rear



CS1914



Front



Rear



CS782DP

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



Features

- One DisplayPort video console controls two USB computers
- Superior video quality – 4K UHD (3840 x 2160 @ 60 Hz) and 4K DCI (4096 x 2160 @ 60 Hz)
- Supports MST (Multi-Stream Transport), enabling multiple monitors to be used via a single DisplayPort connector
- Multiplatform support – Windows, Mac, Sun, and Linux
- Computer selection via remote port selector, hotkeys, and USB mouse; bus-powered design



Computer Port 1



Computer Port 2

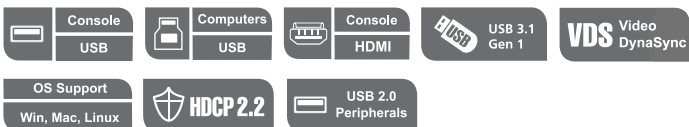


Console Port



CS784H

4-Port USB 4K HDMI KVM^{PTM} Switch



Features

- Superior video quality – up to 4096 x 2160 @ 60 Hz
- Supports Video DynaSync™
- Computer selection via remote port selector, hotkeys, and USB mouse
- Multiplatform support – Windows, Mac, Sun, and Linux



Front

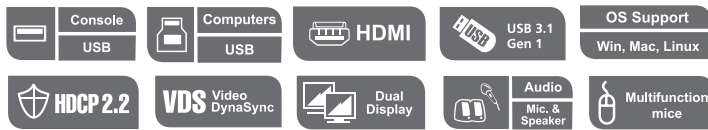


Rear



CS1842 / CS1844

2/4-Port USB 3.0 4K HDMI Dual Display KVM^{PTM} Switch



Features

- One USB keyboard, mouse and two HDMI monitors control two / four HDMI computers and share two USB peripherals
- Superior video quality – 4096 x 2160 @ 60Hz and 3840 x 2160 @ 60Hz; 2-port USB 3.1 Gen 1 hub with SuperSpeed 5 Gbps data transfer rates
- Quad-Display – easily connect two CS1842 / CS1844 units for a quad-display setup controlled by one operator
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes resolutions when switching between ports
- Computer selection via pushbuttons, hotkeys, mouse, remote port selector, and RS-232 command

CS1842



Front



Rear



CS1844



Front



Rear



CS1822 / CS1824

2/4-Port USB 3.0 4K HDMI KVM^{PTM} Switch with Audio Mixer Mode



Features

- One USB keyboard/mouse and one HDMI monitor control two/four computers and share two USB peripherals
- Superior video quality – 4096 x 2160 @ 60Hz and 3840 x 2160 @ 60Hz; 2-Port USB 3.1 Gen 1 hub with SuperSpeed 5 Gbps data transfer rates
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes resolutions when switching between ports
- Audio Mixer Modes – mixes up to two audio sources as audio output
- Computer selection via pushbuttons, hotkeys, mouse and RS-232 commands

CS1822



Front



Rear



CS1824



Front



Rear



CS1792 / CS1794

2/4-Port USB HDMI/Audio KVM^{PTM} Switch



Features

- One USB console controls two/four HDMI-interface computers and two additional USB devices
- Superior video quality - supports 480i, 480p, 720p, 1080i, and 1080p(HDTV)/1920 x 1200(DVI)
- PC selection via pushbutton and hotkeys
- Video DynaSyncTM – exclusive ATEN technology eliminates boot-up display problems and optimizes resolutions when switching between ports
- Multiplatform support - Windows, Linux, and Mac

CS1792



Front



Rear



CS1794



Front

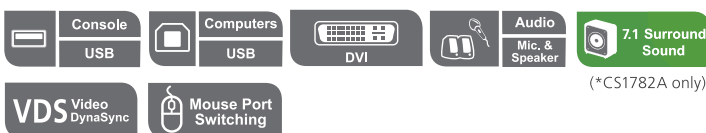


Rear



CS1782A / CS1784A

2/4-Port USB DVI Dual Link/Audio KVM^{PTM} Switch



Features

- One USB console controls two/four computers and two additional USB devices
- Superior video quality: 1920 x 1200 @ 60Hz (Single Link); 2560 x 1600 @ 60Hz (Dual Link); nVidia 3D vision ready
- Computer selection via front panel pushbuttons, hotkeys, and mouse; DVI digital and analog monitor support – fully compliant with the DVI specifications
- Video DynaSyncTM – Exclusive ATEN technology that eliminates boot-up display problems and optimizes resolution when switching between ports
- Multiplatform support – Windows, Linux, Mac, and Sun
- Full bass response for high quality 7.1 channel surround sound systems

CS1782A



Front



Rear



CS1784A



Front

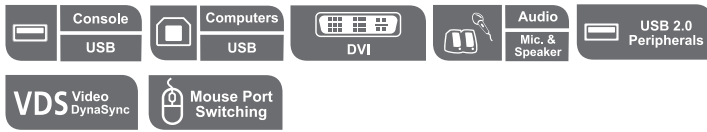


Rear



CS1762A / CS1764A

2/4-Port USB DVI/Audio KVM^P™ Switch



Features

- One USB console controls two/four USB / DVI computers and two additional USB 2.0 devices
- Superior video quality – 1920 x 1200
- DVI digital and analog monitor support – fully compliant with the DVI specifications
- Multiplatform support – Windows, Linux, Mac, and Sun
- Computer selection via front panel pushbuttons, hotkeys, and mouse

CS1762A



Front



Rear



CS1764A



Front



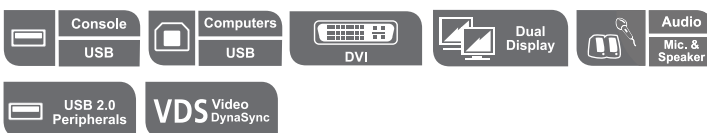
Rear



CS1642A / CS1644A

2/4-Port USB DVI Dual Link Dual Display/Audio KVM^P™ Switch

Dual Link



Features

- One dual-screen USB console controls two/four dual-screen computers and two additional USB devices
- Superior video quality – 2560 x 1600 at 60Hz (DVI Dual link); and 3D displays up to 1920 x 1200 at 120Hz (DVI Single link)
- Multi-Display – Easily connect two CS1642A/1644A's units for a second dual-screen setup controlled through a single connection
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes resolutions when switching between ports
- Multiplatform support – Windows 2000/XP/Vista, Linux, Mac, Sun, and FreeBSD

CS1642A



Front



Rear



CS1644A



Front



Rear



CS1732B / CS1734B

2/4-Port PS/2-USB VGA/Audio KVM^P™ Switch with OSD



Features

- One console controls two/four computers and two additional USB devices
- Superior video quality; 2048 x 1536; DDC2B
- Supports computers with PS/2 or USB keyboard and mouse configurations
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes resolutions when switching between ports
- Computer selection via front panel pushbuttons, multilingual OSD (On Screen Display), hotkeys and mouse

CS1732B



Front



Rear



CS1734B



Front



Rear



CS82U / CS84U

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



Features

- One PS/2-USB VGA console controls two/four VGA interface computers
- Superior video quality - 2048 x 1536; DDC2B
- Dual Interface - supports computers with PS/2 or USB keyboards and mice
- Video DynaSync™– exclusive ATEN technology eliminates bootup display problems and optimizes resolution when switching between ports
- Computer selection via front panel pushbuttons, hotkeys, and mouse

CS82U



Front



Rear



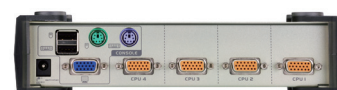
CS84U



Front



Rear



CS72U / CS74U

2/4-Port USB VGA/Audio KVM Switch



Features

- One VGA console controls two/four USB VGA interface computers
- Superior video quality – 2048 x 1536; DDC2B
- Multiplatform support – Windows, Linux, and Mac
- Computer selection via front panel pushbuttons

CS72U



Front



Rear



CS74U



Front



Rear



CS82A / CS84A

2/4-Port PS/2 VGA KVM Switch



Features

- One PS/2 console controls two/four computers
- Superior video quality- up to 1920 x 1440; DDC2B
- OS Compatibility: DOS, WIN 98, WIN ME, WIN NT, WIN 2K, WIN XP, WIN 2003, Windows Vista, LINUX. Mac 8.6/9/10 and SUN Solaris 8/9 (with optional adapter)
- Auto Scan function to monitor computer operation
- Computer selection via front panel pushbuttons and hotkeys

CS82A



Front



Rear



CS84A



Front



Rear



KVM over IP Matrix System



The ATEN KVM over IP Matrix System is an innovative solution that combines KVM over IP Extenders with the CCKM (KVM over IP Matrix Manager) to extend, control and monitor access to computers across an independent network in a multitude of ways. The system lets you set up a matrix of workstations that accesses computers across a network with the flexibility to configure each connection for the seamless data flow required for any and all applications.

KVM over IP Extenders are installed at computers and workstations, and are configured via the CCKM (KVM over IP Matrix Manager) to create connections between them over a LAN. Extender setups can be configured for one-to-one, one-to-many, many-to-one, and many-to-many connections. Whether you're extending computer access for monitoring, broadcasting, editing, or workstation setups, the KVM over IP Matrix System gives you the flexibility and control to manage one or hundreds of extended connections.

• Boundless Switching

ATEN Boundless Switching technology provides an intuitive way to switch control to another receiver by simply moving your mouse cursor across the screen border and onto the target computer display. Move the mouse cursor in any direction to switch the control focus without limitations.

• Effortless over IP Digital Media Extension

Eliminates the distance restrictions of control room management; enables a faster response to mission-critical data center emergencies; all models support unlimited distances via Cat 5e/6 over a LAN, and support up to 10km via a SFP fiber optic transceiver module over an optical Ethernet network.

• Exceptional Video Quality up to 5K

ATEN's KE / KX series delivers high-definition images up to 5120 x 1440 @60 Hz, 5120 x 2880 @30 Hz, 4096 x 2160 @60Hz, 3840 x 2160 @30Hz, 1920 x 1080 @ 240 Hz (CVT-RB) (KX9970) at 36-bit color depth, 3840x2160@60Hz (KE8950/KE8952), 3840 x 2160 @30Hz (KE9950 / KE9952), 2560 x 1600 @60Hz (KE6912 / KE6920 / KE6922) and 1920 x 1200 @60Hz (KE6900 / KE6940 / KE8900S / KE9900ST / KE6900AiT / KE6940AiT / KE6900A / KE6940A) at 24-bit color depth for stunning colors and razor-sharp video quality even with the most bandwidth-heavy video streams.

• Powerful Centralized Management

ATEN's CCKMM (KVM over IP Matrix Manager) makes it easy to define connections and manage all KE / KX devices over a network with a new, intuitive, user-friendly web-based GUI; administrators can set three permission types – Admin., Super User, and User, to meet different user access requirements.

• Fast Switching

ATEN's unique Fast Switching technology features instant switching between different video resolutions, providing immediate viewing of critical information for video surveillance or monitoring applications.

• Unbeatable Video Wall Versatility

With unprecedented video quality and unmatched resolutions, the native video wall functionality allows users to create multiple video walls with up to 12 x 12 displays in each layout in various configurations, offering outstanding flexibility and scalability without the need for a separate video wall processor.

• Secure Data Transmission

KVM over IP Extenders utilize AES 128-bit and up to 256-bit (for KX models) encryption to secure all data before transmission over a network and then decrypt the data on the receiver.

Feature Comparison

	KX9980	KX9970	KE8980MR	KE6900AiT	KE6940AiT
Max. Resolution	@144Hz @240Hz 2048 x 2048 3840 x 2160 4096 x 2160 5120 x 2880	@144Hz @240Hz 2048 x 2048 3840 x 2160 4096 x 2160 5120 x 2880	3840 x 2160 4096 x 2160	1920 x 1200	1920 x 1200
Console Interface	USB DisplayPort	USB DisplayPort	USB HDMI DisplayPort	USB DVI-I	USB DVI-I
Dual Display	✓	N/A	✓	N/A	✓
Quad Display	N/A	N/A	✓	N/A	N/A
Ethernet	N/A	N/A	✓	✓	✓
PoE	N/A				
SFP Fiber Module Support	✓	✓	N/A	✓	✓
5K	✓	✓	N/A	N/A	N/A
Network Fail over	✓				
Power Fail over	✓				
Dual SFP Slot	N/A	N/A	N/A	N/A	N/A
RS-232 Support	✓				

	KE9952	KE9950	KE8952	KE8950	KE8900S	KE9900ST
Max. Resolution	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160	1920 x 1200	1920 x 1200
Console Interface	USB DisplayPort	USB DisplayPort	USB HDMI	USB HDMI	USB HDMI	USB DisplayPort
Dual Display	N/A					
Quad Display	N/A					
Ethernet	N/A					
PoE	✓	N/A	✓	N/A	N/A	N/A
SFP Fiber Module Support	✓	✓	✓	✓	N/A	N/A
5K	N/A					
Network Fail over	✓	✓	✓	✓	N/A	N/A
Power Fail over	✓	✓	✓	N/A	N/A	N/A
Dual SFP Slot	N/A					
RS-232 Support	✓					

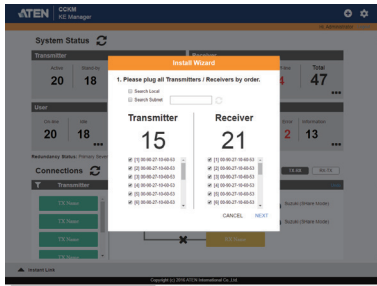
	KE6900A	KE6940A	KE6912	KE6920	KE6922	KE9950ATC	KE6920ATC
Max. Resolution	1920 x 1200	1920 x 1200	2048 x 2048 2560 x 2048	2048 x 2048 2560 x 2048	2048 x 2048 2560 x 2048	2048 x 2048 3840 x 2160	2048 x 2048 2560 x 2048
Console Interface	USB DVI-I	USB DVI-I	USB DVI-D	USB DVI-D	USB DVI-D	USB DisplayPort	USB DVI-D
Dual Display	N/A	✓	N/A	N/A	N/A	N/A	N/A
Quad Display	N/A						
Ethernet	N/A						
PoE	N/A	N/A	✓	N/A	✓	N/A	N/A
SFP Fiber Module Support	✓						
5K	N/A						
Network Fail over	✓						
Power Fail over	✓						
Dual SFP Slot	N/A	N/A	N/A	✓	✓	N/A	N/A
RS-232 Support	✓						

CCKM

KVM over IP Matrix Manager

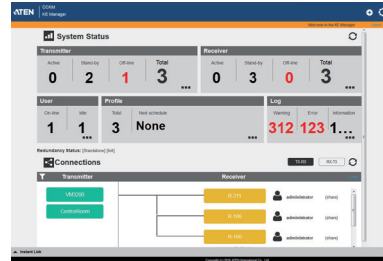
Install Wizard

Detects all devices in the LAN automatically for quick installation.



Dashboard

Provides system status, KE / KX connections, user login, schedule profiles and current sessions at a glance.



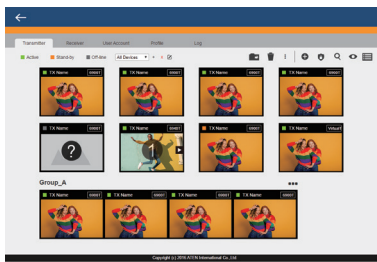
Boundless Switching

Switch between single-output / multi-output computers by moving the mouse across the display border.



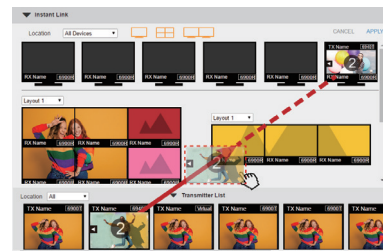
Real-time Preview

Monitor all transmitters simultaneously on one screen.



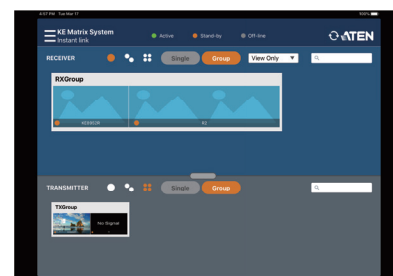
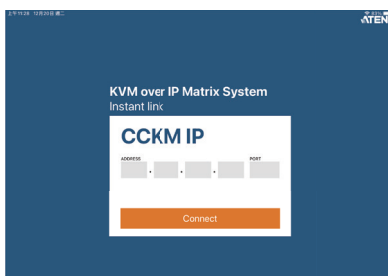
Instant Link

Connect transmitters and receivers with a simple drag-and-drop.



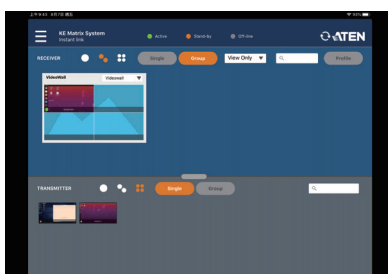
ATEN Matrix Link

ATEN's new Matrix Link is designed to help customers with license more effectively control and manage by app-installed iPad anytime.



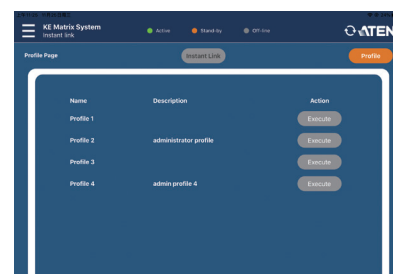
Drag-and-Drop

Easily switches connect transmitters and receivers by drag-and-drop in different privilege on iPad.



Profile Switch

Setting on CCKM web first and users can operate CCKM on iPad to switch different profile directly



KX9980

5K DisplayPort Dual Display KVM over IP Extender



Features

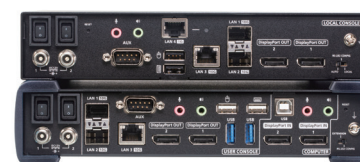
- Native DP signal processing with color depth 24, 30, 36 bits
- Lossless video compression up to 5120 x 2880, including UHD or DCI with zero latency
- Extremely low latency – less than 1 ms of latency between server and operator during operation
- Support 32:9 ultra-wide resolution
- Supports 10 Gbps SFP+ fiber module and RJ-45 expansions up to 10 km
- Supports Full RGB range, Limited RGB, Adobe RGB, and YUV 4:4:4/2:2
- Supports 256-bit AES encryption
- Flexible connections – allows multiple extenders and matrix connections for multi-display installations and video wall applications
- High speed USB Storage Transmission – USB read/write transfer rate is increased to 90% of the direct connection
- Supports power and network redundancy – 2 DC jacks for power redundancy; 1 RJ-45 & 2 SFP+ slots for network failover
- Integration with KVM over IP Matrix Manager (CCKM) for more advanced features, such as Fast Switching, Video walls, Boundless Switching, Push and Pull, Authentication Lock, Connection Redundancy, and Disconnection Alert
- ATEN Matrix Link – allows users to instantly link transmitters and receivers to perform real-time port and profile switching on an iPad
- On-screen Preview – allows users to view the video of up to 36 displays on one screen



Front



Rear



KE8980MR

4K HDMI and DisplayPort Quad-Display KVM over IP Receiver with Multi-Viewer and Virtual Machine Access



Features

- Two HDMI and Two DisplayPort video outputs and with resolution of 4096 x 2160 @ 60Hz
- Multi-view console controls up to 16 video sources on one screen with display modes including Picture in Picture (PiP), Picture by Picture (PbP), and Picture on Picture (PoP)
- Virtual Machine connectivity: VMware®, Microsoft® and Citrix™ using RDP and VNC
- Easily switching to any Virtual Machine or KE Transmitter
- Supports operation recording by CCVSR as the perspective of the operator
- Real-time operation with Panel Array Mode
- Integration with KVM over IP Matrix Manager (CCKM) for more advanced features, such as Fast Switching, Video walls, Boundless Switching, Push and Pull, Authentication Lock, Connection Redundancy, and Disconnection Alert
- Supports network redundancy – 2 RJ-45 ports for network failover



Front



Rear



KX9970

5K DisplayPort KVM over IP Extender



2023
INAVATION
AWARDS
FINALIST



Features

- Flexible connections – allows multiple extenders and matrix connections for multi-display installations and video wall applications
- Support 32:9 ultra-wide resolution
- Supports 10 Gbps SFP+ fiber module and RJ-45 expansions up to 10 km
- Native DP signal processing with color depth 24, 30, 36 bits
- Lossless video compression up to 5120 x 2880, including UHD or DCI with zero latency
- Supports Adobe RGB; 256-bit AES encryption
- High speed USB Storage Transmission support KX9970's USB read/write transfer rate is increased to 90% of the direct connection
- Supports power and network redundancy – 2 DC jacks for power redundancy; 1 RJ-45 & 2 SFP+ slots for network failover
- Extremely low latency – less than 1 ms of latency between server and operator during operation
- Integration with KVM over IP Matrix Manager (CCKM) for more advance features, such as Fast Switching, Video walls, Boundless Switching, Push and Pull, Authentication Lock, Connection Redundancy, and Disconnection Alert
- ATEN Matrix Link – allows users to instantly link transmitters and receivers to perform real-time port and profile switching on an iPad
- On-screen Preview – allows users to view the video of up to 36 displays on one screen

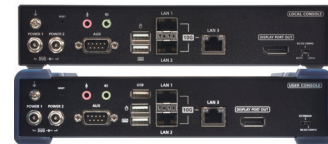
KX9970



Front



Rear



KE9950 / KE9952

4K DisplayPort Single Display KVM over IP Extender / 4K DisplayPort Single Display KVM over IP Extender with PoE



Features

- Flexible connections – allows multiple extender and matrix connections for multi-display installations and video wall applications
- Support 32:9 ultra-wide resolution
- Compliant with DP 1.2
- Ultra High Definition (UHD) video quality – up to 3840 x 2160 @ 30Hz (4:4:4); 24-bit color depth
- High speed USB Storage Transmission support
- Supports power and network redundancy – Dual DC Jack (KE9950) or DC Jack + PoE (KE9952) for power redundancy; 1 RJ-45 & 1 SFP port for network failover
- Extremely low latency – less than 5 ms of latency between server and operator during operation
- Integration with KVM over IP Matrix Manager (CCKM) for more advance features, such as Fast Switching, Video walls, Boundless Switching, Push and Pull, Authentication Lock, Connection Redundancy, and Disconnection Alert
- ATEN Matrix Link – allows users to instantly link transmitters and receivers to perform real-time port and profile switching on an iPad
- On-screen Preview – allows users to view the video of up to 36 displays on one screen

KE9952



Front



Rear



KE9900ST

Slim DisplayPort Single Display KVM over IP Transmitter



Features

- Compliant with DP 1.2
- Superior video quality – up to 1920 x 1200 @ 60Hz; 24-bit color depth
- High speed USB Storage Transmission support
- Integration with KVM over IP Matrix Manager (CCKM) for more advanced features, such as Video walls, Boundless Switching, Push and Pull, Authentication Lock, Connection Redundancy, and Disconnection Alert
- ATEN Matrix Link – allows users to instantly link transmitters and receivers to perform real-time port and profile switching on an iPad
- On-screen Preview – allows users to view the video of up to 36 displays on one screen
- Slim Matrix Mode – works without CCKM centralized management and is ideal for small-scale control room applications
- Fast Switching – switching between different remote video resolutions on a local display within 0.3 second (OSD available only with Slim Matrix Mode)
- Connection Redundancy – automatically connects to another transmitter (Tx) after disconnection with the original Tx, ensuring constant access to servers (OSD available only with Slim matrix mode)
- Hotkey switch ports – supports to switch to the other transmitters by pre-defined hotkeys Ctrl + F1 ~ Ctrl + F12 (only with Slim Matrix Mode)
- Supports primary server reconnect notification (only with Slim Matrix Mode)



Front



Rear



KE8950 / KE8952

4K HDMI Single Display KVM over IP Extender / 4K HDMI Single Display KVM over IP Extender with PoE



Features

- Flexible connections – allows multiple extender and matrix connections for multi-display installations and video wall applications
- Ultra High Definition (UHD) video quality – up to 3840 x 2160 @ 60Hz (4:2:0), 3840 x 2160 @ 30 Hz (4:4:4); 24-bit color depth
- Support 32:9 ultra-wide resolution
- High speed USB Storage Transmission support
- Network Redundancy – supports connection via Gigabit Ethernet port (RJ-45) or SFP port for network failover
- Supports Power over Ethernet (PoE) function – compliant with the IEEE 802.3at standard (KE8952 only)
- Extremely low latency – less than 5 ms of latency between server and operator during operation
- Integration with KVM over IP Matrix Manager (CCKM) for more advanced features, such as Fast Switching, Video walls, Boundless Switching, Push and Pull, Authentication Lock, Connection Redundancy, and Disconnection Alert
- ATEN Matrix Link – allows users to instantly link transmitters and receivers to perform real-time port and profile switching on an iPad
- On-screen Preview – allows users to view the video of up to 36 displays on one screen



(KE8952)



KE8952



Front



Rear



KE8900S

Slim HDMI Single Display KVM over IP Extender



Features

- Superior video quality – up to 1920 x 1200 @ 60Hz; 24-bit color depth
- High speed USB Storage Transmission support
- Integration with KVM over IP Matrix Manager (CCKM) for more advanced features, such as Video walls, Boundless Switching, Push and Pull, Authentication Lock, Connection Redundancy, and Disconnection Alert
- ATEN Matrix Link – allows users to instantly link transmitters and receivers to perform real-time port and profile switching on an iPad
- On-screen Preview – allows users to view the video of up to 36 displays on one screen
- Slim Matrix Mode – works without CCKM centralized management
- Fast Switching – switching between different remote video resolutions on a local display within 0.3 second (OSD available only with Slim Matrix Mode)
- Hotkey switch ports – supports to switch to the other transmitters by pre-defined hotkeys Ctrl + F1 ~ Ctrl + F12 (only with Slim Matrix Mode)
- Supports primary server reconnect notification (only with Slim Matrix Mode)



Front



Rear



KE6920 / KE6922

2K DVI-D Dual-Link KVM over IP Extender with Dual SFP / 2K DVI-D Dual-Link KVM over IP Extender with Dual SFP & PoE



Features

- Supports video resolutions up to 2560 x 2048 @ 50Hz, including resolutions of 2560 x 1600 @ 60Hz and 2048 x 2048 @ 60Hz; 24-bit color depth
- Support 32:9 ultra-wide resolution
- High speed USB Storage Transmission support
- Supports power/network failover – dual DC jacks for power redundancy; 1 RJ-45 & 2 SFP fiber ports for network failover
- Supports Power over Ethernet (PoE) function – compliant with the IEEE 802.3at standard (KE6922 only)
- Extremely low latency – less than 5 ms of latency between server and operator during operation
- Integration with KVM over IP Matrix Manager (CCKM) for more advanced features, such as Fast Switching, Video walls, Boundless Switching, Push and Pull, Authentication Lock, Connection Redundancy, and Disconnection Alert
- ATEN Matrix Link – allows users to instantly link transmitters and receivers to perform real-time port and profile switching on an iPad
- On-screen Preview – allows users to view the video of up to 36 displays on one screen

KE6922



Front



Rear



KE6912

2K DVI-D Dual Link KVM over IP Extender with PoE



Features

- Supports video resolutions up to 2560 x 2048 @50Hz, including resolutions of 2560 x 1600 @60Hz and 2048 x 2048 @60Hz; 24-bit color depth
- High speed USB Storage Transmission support
- Supports power/network failover – for power redundancy; 1 RJ-45 & 1 SFP port for network failover
- Supports Power over Ethernet (PoE) function – compliant with the IEEE 802.3at standard
- Extremely low latency – less than 5 ms of latency between server and operator during operation
- Integration with KVM over IP Matrix Manager (CCKM) for more advanced features, such as Fast Switching, Video walls, Boundless Switching, Push and Pull, Authentication Lock, Connection Redundancy, and Disconnection Alert
- ATEN Matrix Link – allows users to instantly link transmitters and receivers to perform real-time port and profile switching on an iPad
- On-screen Preview – allows users to view the video of up to 36 displays on one screen

KE6912



Front



Rear



KE6900AiT / KE6940AiT

DVI-I Single Display KVM over IP Transmitter with Internet Access / DVI-I Dual Display KVM over IP Transmitter with Internet Access



Features

- Multiple remote client viewer options (WebClient, WinClient, JavaClient) allow users to easily access the server remotely
- Superior video quality – up to 1920 x 1200 @ 60Hz; 24-bit color depth
- Supports recording of remotely-accessed computer operations using CCVSR
- High speed USB Storage Transmission support
- Supports power/network failover – dual DC jacks for power redundancy and 1 RJ-45 & 1 SFP fiber ports for network failover
- Extremely low latency – less than 5 ms of latency between server and operator during operation
- Integration with KVM over IP Matrix Manager (CCKM) for more advanced features, such as Fast Switching, Video walls, Boundless Switching, Push and Pull, Authentication Lock, Connection Redundancy, and Disconnection Alert
- ATEN Matrix Link – allows users to instantly link transmitters and receivers to perform real-time port and profile switching on an iPad
- On-screen Preview – allows users to view the video of up to 36 displays on one screen



(KE6940AiT)

KE6940AiT



Front



Rear



KE6900A / KE6940A

DVI-I Single Display KVM over IP Extender / DVI-I Dual Display KVM over IP Extender



Features

- Superior video quality – up to 1920 x 1200 @ 60Hz; 24-bit color depth
- High speed USB Storage Transmission support
- Supports power/network failover – dual DC jacks for power redundancy and 1 RJ-45 & 1 SFP fiber ports for network failover
- Extremely low latency – less than 5 ms of latency between server and operator during operation
- Integration with KVM over IP Matrix Manager (CCKM) for more advanced features, such as Fast Switching, Video walls, Boundless Switching, Push and Pull, Authentication Lock, Connection Redundancy, and Disconnection Alert
- ATEN Matrix Link – allows users to instantly link transmitters and receivers to perform real-time port and profile switching on an iPad
- On-screen Preview – allows users to view the video of up to 36 displays on one screen

KE6940A



Front



Rear



KE6920ATC

KE6920 Air Traffic Control Bundle Solution



Features

- Supports 2K x 2K video resolution (2048 x 2048 @ 60 Hz); default EDID resolution up to 1920 x 1080
- Disconnection Alert - pop-up warning message and looping alarm beeping notify users the disconnection status
- Supports power / network failover – 2 DC jacks for power redundancy and 1 RJ-45 & 2 SFP fiber ports for network failover
- Supports DVI-D Dual Link video resolutions up to 2560 x 1600 @60Hz and 2560 x 2048 @50Hz
- Fast Switching – switch between different remote video resolutions on a local display (via KE OSD)
- Connection Redundancy – automatically connects to another transmitter (Tx) after disconnection with the original Tx, ensuring constant access to servers (via KE OSD)
- Rx access control – users at the Tx local console can enable / disable Rx access by simply pressing a control button
- Enhanced point-to-point extender mode – a secondary redundant server for fail-safe functioning



Transmitter



Transmitter



Receiver

KE9950ATC

KE9950 Air Traffic Control Bundle Solution



Features

- Supports 2K x 2K video resolution (2048 x 2048 @ 60 Hz); default EDID resolution up to 1920 x 1080
- Disconnection Alert - pop-up warning message and looping alarm beeping notify users the disconnection status
- Supports power / network failover – 2 DC jacks for power redundancy and 1 RJ-45 & 1 SFP fiber ports for network failover
- Supports DisplayPort video resolutions up to 3840 x 2160 @ 30Hz (4:4:4) ; 24-bit color depth
- Fast Switching – switch between different remote video resolutions on a local display (via KE OSD)
- Connection Redundancy – automatically connects to another transmitter (Tx) after disconnection with the original Tx, ensuring constant access to servers (via KE OSD)
- Rx access control – users at the Tx local console can enable / disable Rx access by simply pressing a control button
- Enhanced point-to-point extender mode – a secondary redundant server for fail-safe functioning



ES0154 / ES0154P

54-Port Layer 2+ Gigabit Ethernet Managed Switch / 54-Port Layer 2+ Gigabit Ethernet Managed Switch with PoE

Features

- Supports plug-and-play with KE, VE89 series devices
- Supports 48 Gigabit Ethernet ports and 6 SFP28 uplink ports (up to 25Gbps)
- High-performance Gigabit Ethernet L2+ access switch with 396 Gbps switching capacity – significantly improve the responsiveness of applications and file transfer times
- 802.3af PoE / 802.3at PoE+ / 802.3bt PoE++ (41-48 ports only) port configuration and scheduling
- Supports IGMP v1/v2/v3 Snooping and IGMP v1/v2 Querier
- Supports IGMP Snooping Fast Leave
- Supports Flow Control
- Comprehensive QoS – allowing the marking, classification, and scheduling of up to four traffic types across the network
- Enhanced Security – Port Security limits the total number of devices using a switch port and protects against MAC flooding attacks
- Supports IEEE 802.1w Rapid Spanning Tree Protocol – ensuring a faster recovery from failed links and enhancing overall network stability and reliability
- Supports IPv4, IPv6

ES0154



Front



Rear



ES0154P



Front



Rear



2A-136G**1.25G Multi-Mode/550M Fiber SFP Module****Features**

- 1 GbE connectivity up to 550 meters
- Operates at a nominal wavelength of 850 nm
- Hot pluggable
- LC Type with DDM

2A-137G**1.25G Single-Mode/10KM Fiber SFP Module****Features**

- 1 GbE connectivity up to 10 kilometers
- Operates at a nominal wavelength of 1310 nm
- Hot pluggable
- LC Type with DDM

2A-141G**10G Multi-Mode/300M Fiber SFP+ Module****Features**

- 10 GbE connectivity up to 300 meters
- Operates at a nominal wavelength of 850 nm
- Hot pluggable
- LC Type with DDM

2A-142G**10G Single-Mode/10KM Fiber SFP+ Module****Features**

- 10 GbE connectivity up to 10 kilometers
- Operates at a nominal wavelength of 1310 nm
- Hot pluggable
- LC Type with DDM

Accessories for KVM over IP Extenders



2XRT-0015G

KVM over IP Access Control Box

Features

- Users at the Tx local console can enable / disable Rx control privilege by simply pressing a control button
- Plug-and-Play – no software installation required on either side
- USB bus-powered design – no external power adapter required
- Multiple connectors (PS/2, USB, RJ-11, RS-232) for future extension
- Cable length reaches 5m for more flexible installation



Images	Part No.	Product Name	Compatible Products
	2X-021G	Dual Rack Mount Kit	Compatible with all KE/KX models
	2X-031G	Single Rack Mount Kit	Compatible with all KE/KX models

KVM Extenders



ATEN KVM Extenders offer a full range of options that allow you to extend up to 4k@60Hz (4:4:4) uncompressed signal to the distance between your console and the computers in your installation by up to 20km. They are ideal for all applications that require access to computers in remote and secure locations.

- **HDBaseT™**

HDBaseT™ technology makes the distribution of high-quality multimedia content over a long distance simple and effective without compromising performance or quality. It enables reduction in cable clutter and allows for long-distance signal transmission free from compression and latency, making HDBaseT a vital technology when it comes to commercial grade Pro AV installations across small / mid sized areas.

- **Fiber Optic**

ATEN Fiber Optic KVM Extenders utilize single-mode or multi-mode optical fiber cables to extend AV, RS-232, or USB signals at extremely long distances up to 20km with zero latency as well as resistance to environmental interference.

- **Cat5 / Cat6**

ATEN provides a wide range of long-distance KVM extension solutions that connect via standard Cat5e/6/6a cables, including DVI and VGA models.

Feature Comparison

HDBaseT

	CE840	CE924	CE920	CE820	CE624	CE620	CE611	CE610A
Max. Resolutions / Distance	4Kx2K 60HZ, 4:4:4 @ 300m	4K @ 100m	4K @ 100m	4K @ 100m	1920 x 1200 @ 100m	1920 x 1200 @ 100m	1920 x 1200 @ 100m	1920 x 1200 @ 100m
Console Interface	USB, HDMI	USB, DisplayPort	USB, DisplayPort	USB, HDMI	USB, DVI-D	USB, DVI-D	USB, DVI-D	USB, DVI-D
USB Peripheral	✓	✓	✓	✓	✓	✓	N/A	✓
Dual View	N/A	✓	N/A	N/A	✓	N/A	N/A	N/A
USB 2.0	✓							
Long Reach Mode	✓	✓	✓	✓	✓	✓	N/A	N/A
Tx Local Console	✓	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RS-232 Support	✓	✓	✓	✓	✓	✓	✓	N/A
Audio	Speaker, Microphone	Speaker, Microphone	Speaker, Microphone	Speaker, Microphone	Speaker, Microphone	Speaker, Microphone	Speaker, Microphone	N/A
HDBaseT	3.0	2.0	2.0	2.0	2.0	2.0	2.0*	1.0

Note: CE611 does not support HDCP.

Fiber Optic

	CE980	CE990	CE680	CE690
Max. Resolutions / Distance	4Kx2K 60HZ, 4:4:4 @ 300m	4Kx2K 60HZ, 4:4:4 @ 10km	1920 x 1200 @ 600m	1920 x 1200 @20km
Console Interface	USB, HDMI / DisplayPort	USB, HDMI / DisplayPort	USB, DVI	USB, DVI
USB Peripheral	✓	✓	N/A	N/A
Fiber	✓			
USB 2.0	✓	✓	N/A	N/A
Tx Local Console	✓			
RS-232 Support	✓			
Audio	Speaker, Microphone			

Cat5 / Cat6

	CE604	CE600	CE775	CE770	CE750A	CE700A	CE100	CE350	CE370
Max. Resolutions / Distance	1920 x 1200 @ 60m	1920 x 1200 @ 60m	1920 x 1200 @ 300m	1920 x 1200 @ 300m	1920 x 1200 @ 200m	1920 x 1200 @ 150m	1920 x 1200 @ 100m	1920 x 1200 @ 150m	1920 x 1200 @ 300m
Console Interface	USB, DVI-D	USB, DVI-D	USB, VGA	USB, VGA	USB, VGA	USB, VGA	USB, VGA	PS/2, VGA	PS/2, VGA
Dual View	✓	N/A	✓	N/A	N/A	N/A	N/A	N/A	N/A
Deskew Function	N/A	N/A	✓	✓	N/A	N/A	N/A	N/A	✓
Local Console	N/A	N/A	✓	✓	✓	✓	N/A	✓	✓
RS-232 Support	✓	✓	✓	✓	✓	N/A	N/A	✓	✓
Audio	Speaker, Microphone	Speaker, Microphone	Speaker, Microphone	Speaker, Microphone	Speaker, Microphone	N/A	N/A	Speaker, Microphone	Speaker, Microphone

Cables

	2L-29330	2L-2910	2L-2801
HDBaseT Recommended	✓	✓	N/A
Cable Length	300 m	305 m	305 m
Video Interface	Cat 6a	Cat 6	Cat 5e

HDBaseT™



Benefits of ATEN HDBaseT KVM Extenders

ATEN HDBaseT™ KVM extenders provide a simple and efficient solution for transmitting Ultra HD signals, audio, Gigabit Ethernet, power, and control signals over a single cable up to 100 m. A wide range of models are available, with video interface support for DisplayPort, HDMI, and DVI.



Simplified Cabling

Implements HDBaseT™ extension technology to connect transmitter and receiver units over one single Cat 6/6a cable



Outstanding USB Compatibility

Tested compatible with a multitude of USB peripheral devices.



Long-Distance Transmission

Delivers uncompressed 4K video & audio using one Cat 6 / 6a cable up to 100 - 150 m



Anti-jamming Design

Resists signal interference during high-quality video transmission



Flexible Control

Provides multiple control signals: CEC, RS-232, Ethernet, and USB2.0



Dual View

Allows dual view DisplayPort access to a computer and KVM control from a remote console

CE840

USB True 4K HDMI HDBaseT 3.0 KVM Extender (4K@100m)



Features

- HDBaseT 3.0 – supports True 4K HDMI, audio, RS232, Ethernet, and USB signal transmission across a long distance via a single Cat 6A cable (ATEN 2L-29330 Cat 6a Cable recommended) or above with no compression and zero latency
- Superior video quality – supports HDR10+ and video resolutions up to True 4K (3840 x 2160 @ 60 Hz 4:4:4 and 4096 x 2160 @ 60 Hz 4:4:4) over 100 m
- Dual console operation – control the system via the USB keyboard, mouse and HDMI monitor consoles installed on both the local and remote ends
- Flexible 4 x USB 2.0 extension – each of the remote unit and the local unit contains 2 ports for USB keyboard and mouse connection and 2 ports for other USB peripheral connection



Front

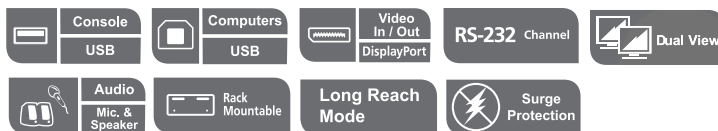


Rear



CE924

USB DisplayPort Dual View HDBaseT 2.0 KVM Extender (4K@100m for Single View)



Features

- Allows dual view DisplayPort access to a computer and KVM control from a remote console
- Extends video, audio, USB, and RS-232 signals via a single Cat6 / 6a / 2L-29330 Cat 6a cable
- Supports 4 ports USB 2.0 full speed hub on the receiver – allows connection with up to 4 USB 2.0 peripherals
- Long distance with superior video quality
 - HDBaseT Standard mode up to 4K @ 100m (Cat 6 / 6a / 2L-29330); (single view only; dual-view resolution up to 1080P)
 - HDBaseT Long-Reach mode up to 1080P @ 150m (single view only; dual-view resolution up to 720P)



Front

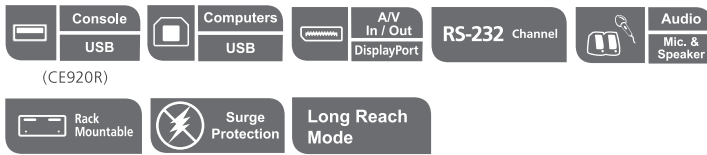


Rear



CE920

USB DisplayPort HDBaseT 2.0 KVM Extender (4K@100m)



Features

- Extends video, audio, USB, RS-232, and Ethernet* signals via a single Cat6 / 6a / 2L-29330 Cat 6a cable
- EDID Buffer for smooth power-up and the highest quality display
- Long distance with superior video quality
 - HDBaseT Standard mode up to 4K @ 100m (Cat 6 / 6a / 2L-29330)
 - HDBaseT Long-Reach mode up to 1080P @ 150m
- Supports individual 2-channel stereo audio and USB 2.0 full speed ports

Note: The CE920-AT supports Ethernet function and the CE920-ATA does not.



Front
CE920-AT / CE920-ATA



Rear
CE920-AT

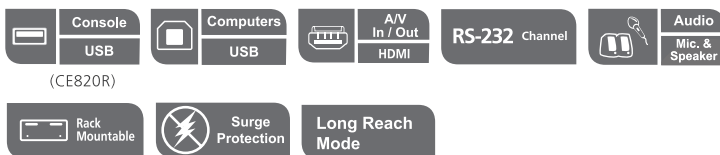


CE920-ATA



CE820

USB HDMI HDBaseT 2.0 KVM Extender (4K@100m)



Features

- Extends video, audio, USB, RS-232, and Ethernet* signals via a single Cat6 / 6a cable / 2L-29330 Cat 6a cable
- HDMI (3D, Deep Color, 1080P, 4K); HDCP 2.2 Compatible
- Long distance with superior video quality
 - HDBaseT Standard mode up to 4K @ 100 m (Cat 6 / 6a / 2L-29330)
 - HDBaseT Long-Reach mode up to 1080P @ 150m
- Supports individual 2-channel stereo audio and USB 2.0 full speed ports

Note: The CE820-AT supports Ethernet function and the CE820-ATA does not.



Front
CE820-AT / CE820-ATA



Rear
CE820-AT

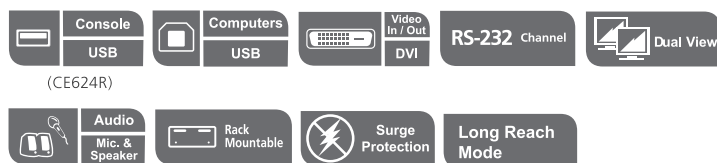


CE820-ATA



CE624

USB DVI Dual View HDBaseT 2.0 KVM Extender (1920 x 1200@100m)



Features

- Allows DVI Dual View access to a computer and KVM control from a remote console
- Integrated USB 2.0 ports – ensures fast transmission speeds for keyboard, mouse and peripherals
- HDBaseT 2.0 –
 - extends video, audio, USB and RS-232 signals via a single Cat6/6a cable
 - EDID Buffer for smooth power-up and the highest quality display
 - Enhanced bit error detection and correction to resist signal interference during high-quality video transmissions
- Long distance superior video quality
 - HDBaseT Standard mode up to 1920 x 1200 @ 100m (for single view only; dual-view resolution up to 1080p)
 - HDBaseT Long Reach mode up to 1920 x 1080 @ 150m (for single view only; dual-view resolution up to 720p)



Front

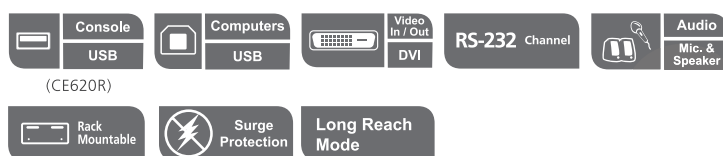


Rear



CE620

USB DVI HDBaseT 2.0 KVM Extender (1920 x 1080@150m)



Features

- Extends video, audio, USB and RS-232 signals via a single Ethernet cable
- 3 USB 2.0 ports for keyboard/mouse and peripherals
- Long distance superior video quality
 - HDBaseT Standard mode up to 1920 x 1200 @ 100m
 - HDBaseT Long Reach mode up to 1920 x 1080 @ 150m
- Supports PC Wakeup function via pushbutton or hotkey



Front

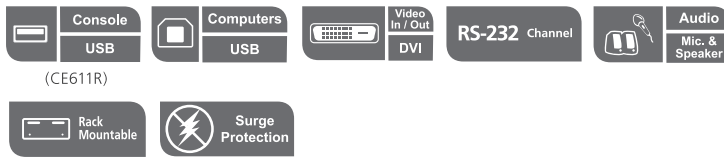


Rear



CE611

Mini USB DVI HDBaseT KVM Extender (1920 x 1200@100m)



Features

- Extends video, audio, USB, and RS-232 signals via a single Cat6 / 6a / ATEN 2L-29330 Cat 6a cable
- Long distance with superior video quality – up to 1920 x 1200 @ 100m (Cat6 / 6a cable / ATEN 2L-29330 Cat 6a cable)
- USB 2.0 high speed ports – ensures fast transmission speeds for peripherals
- Supports individual 2-channel stereo audio for high-quality audio applications



Front



Rear



CE610A

DVI HDBaseT KVM Extender with ExtremeUSB® (1920 x 1200@100m)



Features

- Uses a single Cat 5e cable to connect the local and remote units
- Anti-jamming – resists signal interference during high-quality video transmissions using HDBaseT technology
- Superior Video Quality – up to 1920 x 1200 @ 60 Hz at 100m
- ExtremeUSB® – supports transparent USB 2.0 signals and true plug-and-play (no software or drivers required)



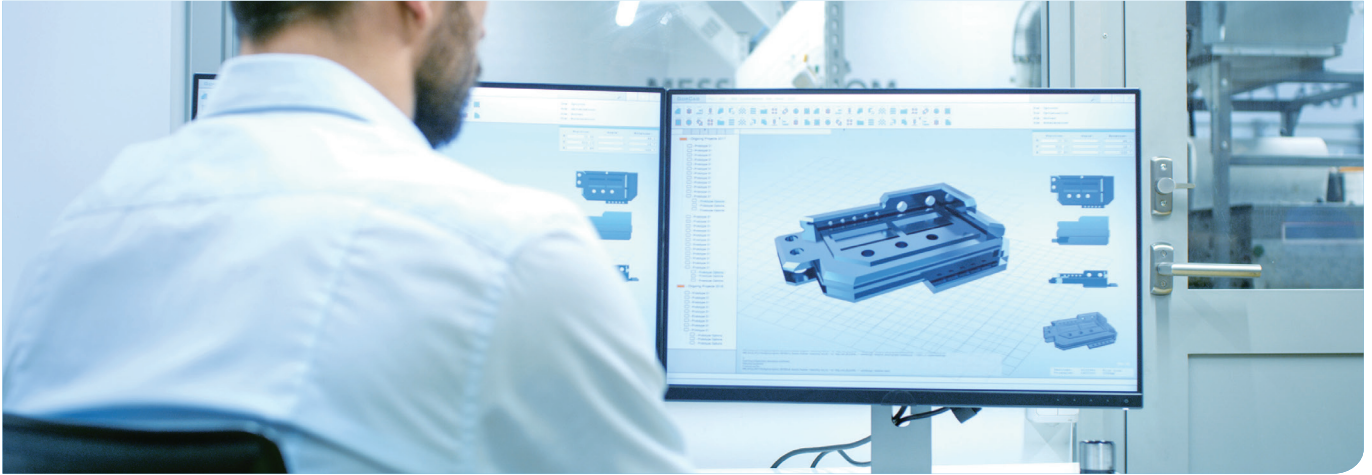
Front



Rear



Fiber Optic



Benefits of ATEN Fiber Optic KVM Extenders

ATEN Fiber KVM extenders utilize single-mode or multi-mode fiber optic cables to extend AV, RS-232, or USB signals at extremely long distances up to 20km, with zero latency as well as resistance to environmental interference.



Uncompressed Video Transmission

Delivers up to 1920 x 1200 uncompressed video.



Dual-Console Control

Control your system from both the local and the remote USB keyboard, monitor, and mouse consoles.



Extremely Long Distance Extension

Transmits signals at extremely long distances up to 20km.



Extra Reliability & Stability

Strict testing process with 50,000 hours burn-in test and 1,000 times power on/off test.



EMI Resistance

Resistance to electromagnetic interference in the environment enables highly secure signal transmission.

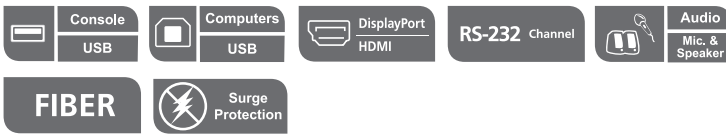


Remote Wake-up PC Function

Allows user to simply push a button to remote wake up the PC from Standby Mode.

CE980 / CE990

USB True 4K DisplayPort / HDMI Optical KVM Extender
(4K@300 m / 4K @ 10 km)



Features

- Extends DisplayPort / HDMI video, stereo audio, IR, RS-232 control, Ethernet, and USB 2.0 signals over duplex fiber optic cabling
- Supports ultra-long distance transmission up to 300 m/ 10 km
- Supports lossless True 4K video up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4) with HDCP compatibility
- Dual console operation – control your system from both the local and remote USB2.0 keyboard, mouse and DisplayPort / HDMI monitor consoles

CE980



Front



L

R

Rear



L

R

CE990



Front



L

R

Rear



L

R

CE680 / CE690

USB DVI Optical KVM Extender (1920 x 1200@600m / 1920 x 1200@20km)



Features

- Uses one fiber optic cable to connect the DVI-D local and remote units
- Superior video quality of up to 1920 x 1200 @ 60Hz (24-bits) - get an excellent, crisp image on your screen over long distance transmissions up to 600m (CE680) / 20km (CE690)
- Dual console operation – control your system from both the local and remote USB keyboard, monitor, and mouse consoles
- Touchscreen support – connect a generic touchscreen, including devices up to 10-point multi-touch, to accommodate highly interactive applications (no extra drivers needed)

CE680



Front



L

R

Rear



L

R

CE690



Front



L

R

Rear



L

R

Cat 5 / Cat 6



Benefits of ATEN Cat5 / Cat6 KVM Extenders

ATEN provides a wide range of long-distance extension solutions that connect via standard Cat 5e/6/6a, offering an economical solution to extend the distance between your console and the computers in your installation by up to 300m.



RS-232 Serial and USB Support

The RS-232 serial / USB port provides the ability to integrate serial connectivity devices – such as barcode scanners, POS terminals, kiosk touch screens, and more – as part of the extender installation.



Patented Deskew Technology

ATEN's automatic and manual delay line synchronizing functions correct the color phase and time errors that occur when RGB video signals are sent long distances over Cat 5e/6/6a cables. ATEN's Deskew technology enables you to manually tune the RGB signals to ensure stable, high-quality video in any extended video installation.

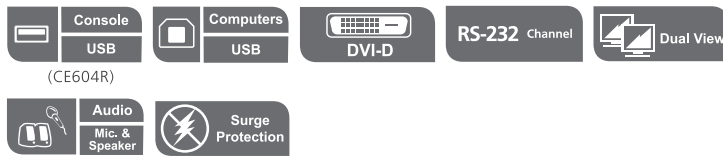


Exceptional Video

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 that the quality of the display is preserved as you get farther from the source.

CE604

USB DVI Dual View Cat 5 KVM Extender (1024 x 768@60m)



Features

- Local and Remote Units connect at distances up to 60m using two Cat 5e cables
- Supports Dual View video source transmission (one PC with two video output ports)
- Superior video quality – up to 1920 x 1200 @ 60 Hz at 30m; 1024 x 768 @ 60 Hz at 60m
- Manual compensation control to adjust video signal quality in order to compensate for distance



Front

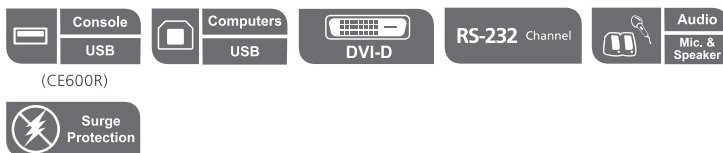


Rear



CE600

USB DVI Cat 5 KVM Extender (1024 x 768@60m)



Features

- Local and Remote Units connect at distances up to 60m using Cat 5e cable
- Features ATEN technology that allows A/V transmission over one cat 5e cable
- Superior video quality of up to 1920 x 1200 @ 60 Hz at 30m; 1024 x 768 @ 60 Hz at 60m – get an excellent, crisp image on your screen over long distance transmissions
- Manual compensation control to adjust signal strength in order to compensate for distance



Front



Rear



CE775

USB VGA Dual View Cat 5 KVM Extender with Deskew (1280 x 1024@300m)

Extension
300 m



Console
USB



Computers
USB



RS-232 Channel



ATEN
Deskew



OSD
Receiver



Audio
Mic. &
Speaker



Dual View



Surge
Protection

Features

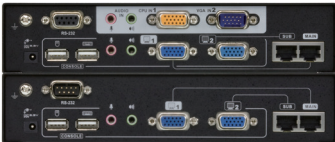
- Dual View Support - connect two screens to transmit two video output signals to a remote site up to 300m away using inexpensive Cat 5e/6 cables
- Dual Console operation – control your system from both the local and remote USB keyboard, monitor, and mouse consoles
- Superior video quality – 1920x1200 @ 60 Hz at 150m; 1280x1024 @ 60 Hz at 300m
- Deskew function – automatically synchronizes the time delay of RGB signals to compensate for distance



Front



Rear



CE770

USB VGA/Audio Cat 5 KVM Extender with Deskew (1280 x 1024@300m)



Console
USB



Computers
USB



RS-232 Channel



ATEN
Deskew



Audio
Mic. &
Speaker



Surge
Protection

Features

- Local and Remote Units connect at distances up to 300m using Cat 5e cable
- Dual console operation – control your system from both the local and remote USB keyboard, monitor, and mouse consoles
- High resolution video – up to 1920 x 1200 @ 60 Hz at 150m; 1280 x 1024 @ 60 Hz at 300m
- Deskew function – automatically synchronizes the time delay of RGB signals to compensate for distance



Front



Rear



CE750A

USB VGA/Audio Cat 5 KVM Extender (1280 x 1024@200m)



Features

- Local and Remote units connect at distances up to 200m using Cat 5e cable
- Dual console operation – control your system from both the local and remote USB keyboard, monitor, and mouse consoles
- High resolution video – up to 1920x1200 @ 60 Hz at 30m, 1600x1200 @ 60 Hz at 150m, 1280x1024 @ 60 Hz at 200m
- Adjustable gain control – automatically and manually adjusts signal strength to compensate for distance



Front



Rear



CE700A

USB VGA Cat 5 KVM Extender (1280 x 1024@150m)



Features

- Cat 5e cable connects the Local and Remote Units - up to 150m apart
- Dual console operation – control your system from both the local and remote USB keyboard, monitor, and mouse consoles
- High resolution video – up to 1920 x 1200 @ 60 Hz at 30m; 1600 x 1200 @ 60 Hz at 100m; 1280 x 1024 @ 60 Hz at 150m
- Automatic gain control – adjusts signal strength to compensate for distance



Front




Rear



CE100


USB VGA Cat 5 Mini KVM Extender (1280 x 1024@100m)
Most Compact Solution for Remote Access



Console




USB



Computers



USB




Surge Protection

(CE100R)


Features

- Extends local PC VGA/keyboard/Mouse to Remote side
- Uses Cat 5e cable to connect the local and remote units
- Superior video quality – up to 1920 x 1200
- Allow access to a computer from the remote console up to 100m distance

Front




L




R

Rear



L



R

CE350 / CE370


PS/2 VGA/Audio Cat 5 KVM Extender (1600 x 1200@150m) /
PS/2 VGA/Audio Cat 5 KVM Extender with Deskew (1280 x 1024@300m)

Extension
150 m
CE350


Extension
300 m
CE370




Console




PS/2



Computers




USB




Surge Protection

ATEN Deskew

RS-232 Channel



Audio




Mic. & Speaker

(CE370)


Features

- Uses a single Cat 5e cable to connect the local and remote units up to 150m (CE350) and 300m (CE370)
- Dual console operation – control your system from both the local and remote keyboard, monitor, and mouse consoles
- Adjustable gain control – automatically and manually adjust signal strength to compensate for distance
- Deskew Function (CE370) – automatically synchronizes the time delay of RGB signals to compensate for distance

Front




L



R

Rear




L




R

CE370



Front



CE370L




CE370RQ

Rear



CE370L



CE370RQ

2L-29330

300 m HDBaseT 3.0 U/FTP Cat 6A Cable



Features

- Meets HDBaseT 3.0 standard for uncompressed multi-signal transmission up to 16 Gbit/s bandwidth, including True 4K video, audio, Ethernet, power, and control
- The length of a reel of 2L-29330 is 300 m – tailored to specific lengths up to 100 m based on practical usage
- Resistant to electromagnetic interference (EMI) and radio frequency interference (RFI) brought by walkie-talkies or any other radio devices to prevent AV signal disturbance
- Conductor material: 23 AWG solid bare copper



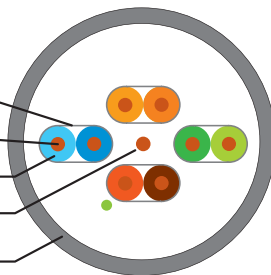
Aluminium / mylar tape

Copper conductor 23 AWG

Foam PE dielectric

Drain Wire

Jacket



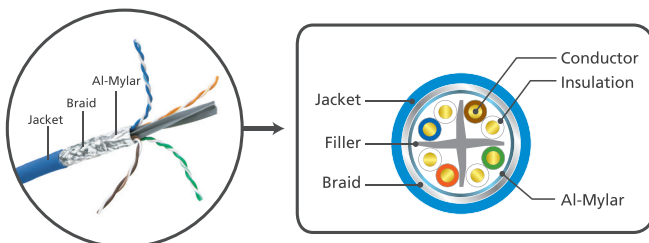
2L-2910

305 m HDBaseT SF/UTP Cat 6 Cable



Features

- Certified to meet performance requirements set by HDBaseT Alliance
- Supports sweep frequency up to 400 MHz
- Conductor material: 23 AWG bare copper
- Compatible with ATEN HDBaseT extenders and splitters

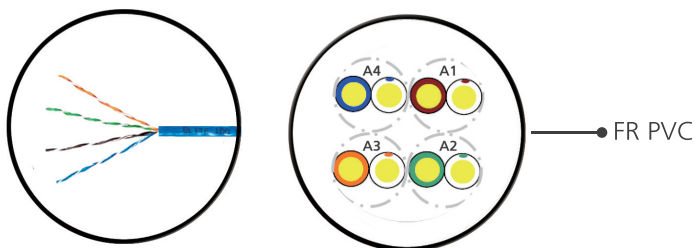


2L-2801

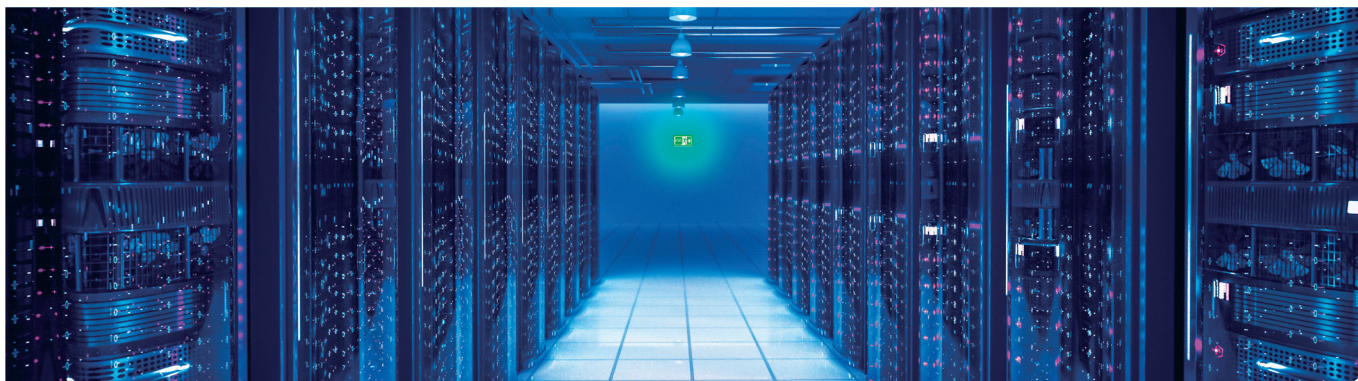
305 m Low Skew Cat 5e Cable

Features

- 350 MHz bandwidth
- Delay Skew: 1 ~ 350 MHz 20nS/100m Max.
- Compatible with ATEN analog Cat 5 video extenders, KVM extenders, and Cat 5 KVM switches



KVM over IP Switches



ATEN KVM over IP switches provide remote access to manage data center or branch office servers anytime, anywhere. They offer IT managers a scalable, sustainable, and secure enterprise-class KVM over IP solution. ATEN KVM over IP switches allow connected servers and serial-based devices BIOS-level access.

- **Enhanced Security**

Increase security and reduce risk by utilizing the industry's highest security standards and protocols, such as support for RADIUS, LDAP, LDAPS, MS Active Directory for secured authentication TLS 1.2, 2048-bit RSA, 256-bit AES, FIPS 140-2 for data encryption, and network IP/MAC address filter for secured network access.

- **24-7 Management**

ATEN KVM over IP switches provide comprehensive reliability. The integration of dual power supplies and dual Network Interface Controllers (NIC) provides backup redundancy. In addition, with powerful SNMP Trap features and sophisticated notification options, administrators are able to customize the settings for how significant events will be communicated on their systems and respond to critical situations in a timely manner.

- **Complete Monitor & Control**

Managing multiple KN Series solutions is simple with CC2000 Centralized Management Software, CCVSR Video Session Recording Software and PadClient mobile app. Experience total control of the enterprise server room through a single portal: secure, centralized management of your entire IT installation, locally and worldwide, is now yours. Anywhere, anytime.

- **Intuitive Control**

Managing large-scale servers is simplified with ATEN KVM over IP switches. A user-friendly Magic Panel™ Graphics User Interface (GUI) with multi-language support provides convenient management through configurable function icons. Panel Array Mode™ incorporated with Virtual Remote Desktop allows administrators to display the video output of up to 64 servers on their monitors at the same time. Mouse DynaSync™ function provides automatic locked-in syncing of the remote and local mouse pointers – resulting in perfect mouse alignment.

Feature Comparison

	CN800	CN8000A	CN9000	CN9600	CN9850	CN9950	CS1708i	CS1716i
Console Connections (Local / Remote)	0/1	1 (Shared)	1 (Shared)	1 (Shared)	1 (Shared)	1 (Shared)	1 (Shared)	1 (Shared)
Number of Computers	1	1	1	1	1	1	8	16
Max. Computers controlled	1	1	1	1	1	1	128	256
Computer Connector	VGA	SPHD	SPHD	DVI-D	HDMI	DisplayPort	SPHD	SPHD
Computer Interface	USB VGA	PS/2 USB VGA	PS/2 USB VGA	USB DVI-D	USB HDMI	USB DisplayPort	PS/2 USB VGA	PS/2 USB VGA
Console Interface	N/A	SPHD (VGA, PS/2, USB)	USB VGA	USB DVI-D	USB HDMI	USB DisplayPort	PS/2 USB VGA	PS/2 USB VGA
Max. Resolution	1920 x 1200	1920 x 1200	1920 x 1200	1920 x 1200	4096 x 2160	4096 x 2160	1920 x 1200	1920 x 1200
Video DynaSync™	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓
Panel Array Mode	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓
Dual Power	N/A	N/A	✓	✓	✓	✓	N/A	N/A
Virtual Media Support	✓	✓	✓	✓	✓	✓	N/A	N/A
Audio	N/A	N/A	✓	✓	✓	✓	N/A	N/A
Broadcast Mode	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓
Dual LAN	N/A	N/A	✓	✓	✓	✓	N/A	N/A
RS-232 Support	N/A	✓	✓	✓	✓	✓	N/A	N/A

	KG1900T	KG6900T	KG8900T	KG9900T	KG8950T	KG9950T
Computer Connector	VGA	DVI-D	HDMI	DisplayPort	HDMI	DisplayPort
Computer Interface	USB VGA	USB DVI-D	USB HDMI	USB DisplayPort	USB HDMI	USB DisplayPort
Max. Resolution	1920 x 1200	1920 x 1200	1920 x 1200	1920 x 1200	3840 x 2160	3840 x 2160
Adapter ID™ Support	✓					
Virtual Media Support	✓					
Audio	N/A	N/A	✓	✓	✓	✓
Multi-Platform Support	Windows Mac Sun Linux					

Note:

The ATEN KVM DigiProcessor is only compatible with KG0016 / KG0032. Make sure the KG0016 / KG0032 and the KVM DigiProcessor are connected directly with each other and there is no network switch in between. The SP port on the ATEN DigiProcessor is reserved for future expansion.

	KA8270	KA8278	KA8280	KA8288
Console Interface	USB VGA	USB VGA HDMI	USB HDMI	USB HDMI
Max. Resolution	1920 x 1200			
Over IP	✓			
Panel Array Mode	✓			
Virtual Media Support	✓			
Audio	✓			

	KG0016 / KG0032	KN1132VB	KN2116VB / KN2124VB / KN2132VB	KN4016VB / KN4024VB / KN4032VB / KN4064VB	KN8032VB / KN8064VB
Console Connections (Local / Remote)	0/16 0/32	1/1	1/2	1 / 4 (Shared)	1 / 8 (Shared)
Number of Computers	16 / 32	32	16/24/32	16/24/32/64	32/64
Max. Computers controlled	16 / 32	512	512/384/512	512/384/512/512	512
Expansion Method	N/A	(Cascade)	(Cascade)	(Cascade)	(Cascade)
Computer Connector	RJ-45				
Computer Interface	USB VGA DVI-D HDMI DisplayPort	PS/2 USB VGA DVI-D HDMI DisplayPort Serial Sun Legacy	PS/2 USB VGA DVI-D HDMI DisplayPort Serial Sun Legacy	PS/2 USB VGA DVI-D HDMI DisplayPort Serial Sun Legacy	PS/2 USB VGA DVI-D HDMI DisplayPort Serial Sun Legacy
Console Interface	N/A	USB VGA HDMI	USB VGA HDMI	USB VGA HDMI	USB VGA HDMI
Max. Resolution	3840 x 2160	1920 x 1200	1920 x 1200	1920 x 1200	1920 x 1200
BIOS Level Control	✓				
Video DynaSync™	✓				
Adapter ID™ Support	✓				
Blade Server Support	N/A	✓	✓	✓	✓
Mouse DynaSync™	✓				
Panel Array Mode	✓				
Laptop USB Console	N/A	✓	✓	✓	✓
Dual Power	✓				
Virtual Media Support	✓				
Audio	N/A	✓	✓	✓	✓
Broadcast Mode	N/A	✓	✓	✓	✓
Dual LAN	✓				
PadClient Support	N/A	✓	✓	✓	✓
FIPS 140-2 Level 1	✓				
Event Notification	✓				
3rd Party Authentication	✓				
Group Account	✓				
RS-232 Support	✓				
Multi-Platform Support	Windows Mac Sun Linux				

CN800

USB VGA KVM over IP Mini



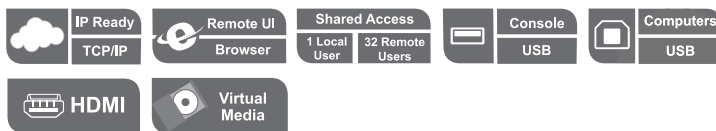
Features

- High video resolution – up to 1920 x 1200
- Instant BIOS-level access and no software installation
- Secured data transmission – 256-bit AES encryption for all data being transmitted from the transmitter to the receiver
- USB bus powered, no external power adapter required to save extra cost and achieve space optimization.
- Compact, lightweight and fashionable outlook; also with exclusive hook design for easy installation
- Integration with ATEN CC2000 Centralized Management Software and ATEN CCVSR Video Session Recording Software
- Critical system events sent by email and SNMP trap; Syslog support
- Supports TLS 1.2 data encryption and RSA 2048-bit certificates for securing users logging in from browsers
- Message board – convenient communication for remote users



CN9850

1-Local / Remote Shared Access Single Port 4K HDMI KVM over IP Switch



Features

- A mini USB port in the front panel can serve as a Virtual Media USB port or a Laptop USB Console (LUC) port
- Supports 5-pin Relay/DI Terminal for environment monitoring and remotely reboot control
- Supports HDMI resolution up to 4K DCI (4096 x 2160) @ 30 Hz*
- Provides an FPGA graphics processor for better image quality
- Two 10/100/1000 Mbps NICs for redundant LAN or two IP operation
- Dual power supply to ensure seamless connectivity
- Local/Remote Share Mode conveniently grants shared or exclusive console privilege
- Provides over IP capability to HDMI KVM switches without over IP functionality
- Serial console management – access server via built-in serial viewer or third party software (such as PuTTY) for Telnet and SSH sessions
- Supports TLS 1.2 data encryption and RSA 2048-bit certificates for securing users logging in from browsers
- Integration with ATEN CC2000 Centralized Management Software and ATEN CCVSR Video Session Recording Software
- Browser-based UI in pure web technology allows administrators to perform administrative tasks without pre-installed Java software package requirements
- Complies to the RS-232 standards for serial control

Note: Audio is not supported by CN9850 HDMI and can only be transmitted through its 3.5 mm audio ports.



Front

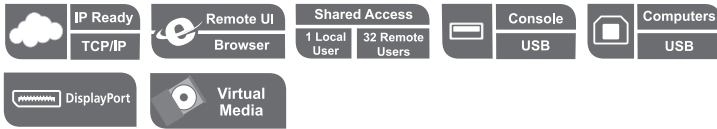


Rear



CN9950

1-Local/Remote Shared Access Single Port 4K DisplayPort KVM over IP Switch



Features

- A mini USB port in the front panel can serve as a Virtual Media USB port or a Laptop USB Console (LUC) port
- Supports 5-pin Relay/DI Terminal for environment monitoring and remotely reboot control
- Pixel clear DP compatible with DP 1.2 up to DCI 4K @30Hz
- Provides an FPGA graphics processor for better image quality
- Two 10/100/1000 Mbps NICs for redundant LAN or two IP operation
- Dual power supply to ensure seamless connectivity
- Local/Remote Share Mode conveniently grants shared or exclusive console privilege
- Provides over IP capability to DisplayPort KVM switches without over IP functionality*
- Serial console management – access server via built-in serial viewer or third party software (such as PuTTY) for Telnet and SSH sessions
- Integration with ATEN CC2000 Centralized Management Software and ATEN CCVSR Video Session Recording Software
- Browser-based UI in pure web technology allows administrators to perform administrative tasks without pre-installed Java software package requirements
- Complies to the RS-232 standards for serial control

Note: Compatible KVM Switch: ATEN DisplayPort KVM Switches



Front

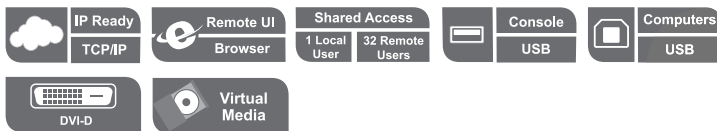


Rear



CN9600

1-Local/Remote Shared Access Single Port DVI KVM over IP Switch



Features

- A mini USB port in the front panel can serve as a Virtual Media USB port or a Laptop USB Console (LUC) port
- Provides an FPGA graphics processor for better image quality
- Complies to the RS-232 DTE/DCE standards for serial control
- Two 10/100/1000 Mbps NICs for redundant LAN or two IP operation
- Dual power supply to ensure seamless connectivity
- Local/Remote Share Mode conveniently grants shared or exclusive console privilege
- Provides over IP capability to DVI KVM switches without over IP functionality*
- Serial console management – access server via built-in serial viewer or third party software (such as PuTTY) for Telnet and SSH sessions
- Supports TLS 1.2 data encryption and RSA 2048-bit certificates for securing users logging in from browsers
- Integration with ATEN CC2000 Centralized Management Software and ATEN CCVSR Video Session Recording Software
- Browser-based UI in pure web technology allows administrators to perform administrative tasks without pre-installed Java software package requirements
- Complies to the RS-232 standards for serial control

Note: Compatible KVM Switch: ATEN DVI KVM Switches



Front

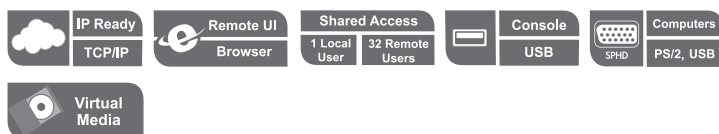


Rear



CN9000

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



Features

- High video resolution – up to 1920 x 1200 @ 60 Hz
- Laptop USB Console (LUC) – a dedicated mini USB port for direct, easy console operation via a laptop
- 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
- Provides over IP capability to KVM switches without over IP functionality
- Browser-based UI in pure web technology allows administrators to perform administrative tasks without a pre-installed Java software package required
- Provides an FPGA graphics processor for better image quality
- Dual power supply to ensure seamless connectivity
- Two 10 / 100 / 1000 Mbps NICs for redundant LAN or two IP operation
- Supports 5-pin Relay/DI Terminal for environment monitoring and remotely reboot control
- Supports USB and legacy PS/2 keyboard and mouse
- Integration with ATEN CC2000 Centralized Management Software and ATEN CCVSR Video Session Recording Software
- Complies to the RS-232 standards for serial control



Front

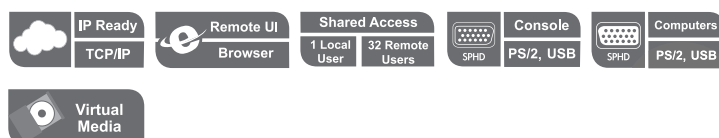


Rear



CN8000A

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



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 and ATEN CCVSR Video Session Recording Software
- Complies to the RS-232 standards for serial control
- Provides over IP capability to KVM switches without over IP functionality
- Critical system events sent by email and SNMP trap; Syslog support
- 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 securing users logging in from browsers



Front

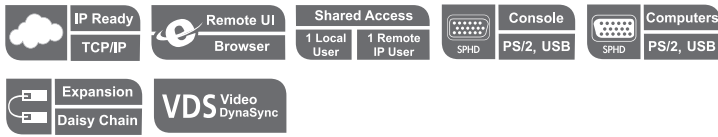


Rear



CS1708i / CS1716i

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



Features

- Secure keyboard/mouse/video transmission via RC4 128-bit encryption
- Supports TLS 1.2 data encryption and RSA 2048 bit certificates for securing users logging in from browsers
- 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 among different sources

Note: Local console only.

CS1708i



Front



Rear



CS1716i



Front



Rear



KG0016 / KG0032

16/32-Port KVM over IP OmniBus Gateway



reddot winner 2023

Features

- Simultaneously shares 16/32 independent connections to the attached servers
- The intuitive WinClient AP's supports of an Array View and a Control View – enables users to monitor all servers and control a specific server concurrently
- Panel Array Mode™ Live+ – real-time monitoring of livestreamed video feeds from all ports in a configurable multiscreen layout
- All-digital KVM over IP optimum transmission – offers reliable transmission over long distances with noise immunity, signal quality preservation, and efficient compression
- Extends 1920 x 1200 @ 60 Hz resolutions up to 100m via Cat 5e/6 without signal interference and close-to-zero latency
- Browser-based, and AP GUIs offer a unified multi-language interface to minimize user training time and increase productivity
- Supports web-friendly KVM-over-IP access with HTML5 WebClient viewer – users can remotely access all the connected servers and PCs without Java or browser plug-in installation
- High-grade security – supports TLS 1.3 and an embedded FIPS 140-2 certified OpenSSL cryptographic module (Certificate #4282)
- Integration with ATEN CC2000 Centralized Management Software

KG0016



Front



Rear



KG0032



Front



Rear



KG8950T / KG9950T

USB 4K HDMI / DisplayPort KVM DigiProcessor



HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE
(KG8950T)

Features

- Superior video quality – supports resolutions up to 3840 x 2160 @ 30 Hz; 24-bit color depth
- Distortion-free dynamic video performance up to 100m via a Cat 5e/6 cable
- Virtual Media supports fast transmission speeds up to Read 265Mbps / Write 188Mbps
- Space saving – 0U and compact design with SR mounting hanger for organized server rack installation
- Light-weight aluminum die casting shroud – enhanced passive cooling design with streamlining stripe all around the shroud to help quick radiation
- Firmware upgradable
- Smart Card / CAC Reader supports
- Audio supports

KG8950T



KG9950T



KG1900T / KG6900T / KG8900T / KG9900T

USB VGA / DVI / HDMI / DisplayPort KVM DigiProcessor



reddot winner 2023

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE
(KG8900T)

Features

- Superior video quality – supports resolutions up to 1920 x 1200 @ 60 Hz; 24-bit color depth
- Distortion-free dynamic video performance up to 100m via a Cat 5e/6 cable
- Virtual Media supports fast transmission speeds up to Read 265Mbps / Write 188Mbps
- Space saving – 0U and compact design with SR mounting hanger for organized server rack installation
- Light-weight aluminum die casting shroud – enhanced passive cooling design with streamlining stripe all around the shroud to help quick radiation
- Firmware upgradable
- Smart Card / CAC support
- Audio support (KG8900T / KG9900T)

KG1900T



KG6900T



KG8900T



KG9900T



KN1000A | 1-Local/Remote Shared Access

Single Port VGA KVM over IP Switch with Single Port Power Switch



Features

- Provides over IP capability to servers or KVM switches that do not have built-in over IP functionality
- High video resolution – up to 1920 x 1200 @ 60 Hz with 24 bit color depth for both the local console and remote sessions
- Laptop USB Console (LUC) – a dedicated USB port directly connects to a laptop for easy console operation
- Easy configuration through local console OSD
- Extreme virtual media speed – 6x faster virtual media transmission speed
- Serial terminal access through RS-232 and PON ports
- On/Off scheduling for power outlet – power management tasks can be scheduled on a daily, weekly, monthly or user-specified time basis
- Auto-Ping pings a device to determine its status, if the ping test fails after a set amount of time, it automatically takes an action assigned
- DDNS (Dynamic Domain Name System), Message Board for communication among remote users
- PadClient provides instant, convenient, and secure remote access to control servers through your iPad. (available free on the Apple Store)



Front



Rear



KH1508Ai / KH1516Ai | 1-Local/Remote Shared Access

8/16-Port Multi-Interface Cat 5 KVM over IP Switch



Features

- One bus for local/remote KVM over IP access to control 8 / 16 servers
- Up to 64 user accounts – with up to 32 users able to simultaneously log in
- Daisy-Chain up to 15 extra compatible switches with control of up to 128 / 256 servers
- Superior Video Quality – supports input video resolutions up to 1920 x 1200 @ 60 Hz up to 30 meters, 1600 x 1200 @ 60 Hz up to 40 meters, and 1280 x 1024 @ 75 Hz up to 50 meters
- Panel Array Mode™ – allows administrators to monitor the video output of up to 42 servers on one screen simultaneously
- Laptop USB Console (LUC) – a dedicated USB port directly connects to a laptop for easy console operation
- Supports TLS 1.2 data encryption and RSA 2048-bit certificates to secure users log in from browser
- Message Board for communication among remote users

KH1516Ai



Front



Rear



KN1108VA / KN1116VA | 1-Local/1-Remote Access

8/16-Port Multi-Interface Cat 5 KVM over IP Switch with Virtual Media (1920 x 1200)



Features

- One bus for remote KVM over IP access to control 8 / 16 servers
- Up to 64 user accounts – with up to 32 users able to simultaneously log in
- Cascadable up to two levels – control up to 128 / 256 servers
- High video resolution – 1920 x 1200 @ 60Hz (reduced blanking) for local and remote sessions
- Panel Array Mode available to both local console operators and remote access users
- Laptop USB Console (LUC) – a dedicated USB port directly connects to a laptop for easy console operation
- Supports Java-free HTML5 WebClient Viewer running directly off the browser without Java or browser plug-in installation
- Message Board for communication among remote users

KN1116VA



Front



Rear



KN2124VA / KN2140VA / KN4124VA / KN4140VA

24/40-Port Multi-Interface Cat 5 KVM over IP Switch with Virtual Media (1920 x 1200)



KN Series
Microsite



Features

- Two / four buses for remote KVM over IP access to control up to 40 servers
- Up to 64 user accounts – with up to 32 users able to simultaneously log in
- Cascadable up to two levels – control up to 512 servers
- Panel Array Mode™ – allows administrators to monitor the video output of up to 64 servers on one screen simultaneously
- Multi-View supports computers with multiple video outputs
- Single sign-on for multi-system setup creates easy management and integration
- Message Board for communication among remote users
- Integration with ATEN CC2000 Centralized Management Software & CCVSR Video Session Recording Software
- PadClient provides instant, convenient, and secure remote access to control servers through your iPad. (available free on the Apple Store)
- Supports Java-free WebClient Viewer running directly off the browser without Java or browser plug-in installation

KN4124VA



Front



Rear



KN4140VA



Front



Rear



KN2116VB / KN4016VB / KN2124VB / KN4024VB / KN1132VB / KN2132VB / KN4032VB / KN8032VB / KN4064VB / KN8064VB

16/24/32/64-Port Multi-Interface Cat 5 KVM over IP Switch
with Virtual Media (1920 x 1200)



KN Series
Microsite



Features

- One / two / four / eight bus(es) for remote KVM over IP access to control up to 64 servers
- Up to 64 user accounts – with up to 32 users able to simultaneously log in
- Cascadable up to two levels – control up to 512 servers
- Panel Array Mode™ – allows administrators to monitor the video output of up to 64 servers on one screen simultaneously
- Multi-View supports computers with multiple video outputs
- Single sign-on for multi-system setup creates easy management and integration
- Message Board for communication among remote users
- Integration with ATEN CC2000 Centralized Management Software & CCVSR Video Session Recording Software
- PadClient provides instant, convenient, and secure remote access to control servers through your iPad. (available free on the Apple Store)
- Supports Java-free HTML5 WebClient Viewer running directly off the browser without Java or browser plug-in installation

KN8032VB



Front



Rear



KN8064VB



Front



Rear



KA8270 / KA8280 / KA8278 / KA8288

KVM over IP Console Station

Features

- A standalone Java-free console that replaces PC or NB, enabling users to remotely access the servers connected to ATEN's KVM over IP switches
- Panel Array Mode™ – allows administrators to monitor the video output of up to 64 servers on one screen simultaneously
- Through Cascade port, Console Station can connect with the second one for network access sharing
- Supports Boundless Switching – allows users to control up to 4 screens between two console stations (for example, KA8288+KA8288) by using one set of keyboard & mouse
- Advanced FPGA graphics processor – with a Full HD resolution of 1920 x 1200 @ 60 Hz
- Single sign-on to consolidate the management of multiple ATEN's KVM over IP switches

KA8288



Front



Rear



LCD KVM Switches



ATEN LCD KVM switches offer a space-saving, streamlined approach to KVM switch technology by integrating a 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, and you are ready to work.

• Ultra Short Depth Design

ATEN ultra short depth design is applied in both single rail and dual-rail models to fit all 19" equipment cabinets, and is especially suitable for shallow racks and any computer room where space is at a premium.

• Dual Rail Flexibility

The dual rail design enables the LCD monitor, keyboard, and touchpad to operate independently of each other. To maximize space utilization, the keyboard and touchpad modules can slide back to "hide away" when not in use, while the thin profile LCD monitor rotates back, flush against the rack, to allow for convenient monitoring of computer activity.

• 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 turns ON by default as you lift up the LCD panel 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 second 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. They are also interoperable on different OS systems (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 which requires two people to complete the installation. The Single Person - Easy Installation Rack Mount Kit is available as a separate purchase.

• Convenient Security via Fingerprint Identification

Each user can scan up to 4 fingers (available on 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.

LCD KVM Switch Feature Comparison

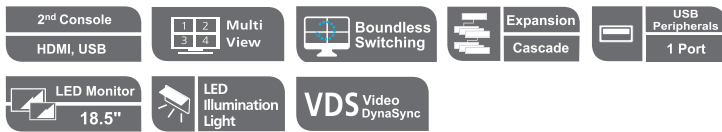
	CL3884NW	CL5708i / CL5716i*	CL3108 / CL3816	CL1308 / CL1316
Console Connections (Local)	1	1 (Share)	1	1
Number of Computers	4	8/16	8/16	8/16
Max. Computers controlled	16	128/256	128/256	128/256
Expansion Method	Cascade	Daisy Chain	Cascade	Cascade
Computer Connector	HDMI	SPHD	SPHD	SPHD
Computer Interface	USB, HDMI	PS/2, USB, VGA	PS/2, USB, VGA	PS/2, USB, VGA
External Console	N/A	PS/2, USB, VGA	N/A	N/A
LCD Size	18.5"	17', 19'	18.5"	19'
Panel Resolution	1920 x 1080	1280 x 1024	1366 x 768	1280 x 1024
Max. Resolution	1920 x 1200			
Extra Mouse Port	N/A	USB	USB	N/A
Keyboard/Mouse Emulation	USB	PS/2, USB	PS/2, USB	PS/2, USB
Port Selection	OSD, Hotkey, Pushbutton, RS-232 commands	OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton
USB Peripheral	✓	N/A	N/A	N/A
Auto Scan	✓			
Multi-level Password Security	N/A	✓	N/A	✓
LED Illumination Light	✓			
Broadcast Mode	✓			
Rail Type	Dual Rail	Single Rail	Single Rail	Single Rail
Multi-Platform Support	Windows, Mac, Linux	Windows, Mac, Sun, Linux	Windows, Mac, Sun, Linux	Windows, Mac, Sun, Linux
Audio	Speaker	N/A	N/A	N/A

* **Note:** CL5708i / CL5716i has over IP function with Event Notification and 3rd Party Authentication.

	CL6708MW	CL5708 / CL5716	CL5808 / CL5816
Console Connections (Local)	1		
Number of Computers	8	8/16	8/16
Max. Computers controlled	64	256/512	256/512
Expansion Method	Cascade	Daisy Chain	Daisy Chain
Computer Connector	DVI-I	SPHD	SPHD
Computer Interface	USB, DVI-I	PS/2, USB, VGA	PS/2, USB, VGA
External Console	USB, DVI-I	PS/2, USB, VGA(SPHD)	PS/2, USB, VGA(SPHD)
LCD Size	17.3'	17", 17.3', 19'	19'
Panel Resolution	1920 x 1080	17", 19": 1280*1024 17.3": 1920*1080	1280 x 1024
Max. Resolution	1920 x 1200		
Extra Mouse Port	USB		
Keyboard/Mouse Emulation	USB	PS/2, USB	PS/2, USB
Port Selection	OSD, Hotkey, Pushbutton		
USB Peripheral	✓		
Auto Scan	✓		
Multi-level Password Security	✓		
Cascadable	✓	N/A	N/A
Daisy Chain	N/A	✓	✓
LED Illumination Light	✓		
Broadcast Mode	✓		
Rail Type	Single Rail	Single Rail	Dual Rail
Multi-Platform Support	Windows, Mac, Sun, Linux		
Audio	Speaker	N/A	N/A

CL3884NW

4-Port USB HDMI Multi-View Dual Rail WideScreen LCD KVM Switch



Features

- Multi-view console controls up to four video sources on one screen with display modes including Quad View, Picture in Picture (PiP), Picture by Picture (PbP), and Picture on Picture (PoP)
- Integrated KVM console with an 18.5" LED-backlit widescreen LCD monitor in a dual rail housing with top and bottom clearance for smooth operation in a 1U high system rack
- Dual rail design allows LCD monitor and keyboard / touchpad modules to operate independently
- Easily resizes and/or repositions any PiP or PbP to suit users' viewing needs
- Superior video quality – 1920 x 1200 @ 60Hz
- Video DynaSync™ – an exclusive ATEN technology that eliminates boot-up display problems and optimizes the resolution when switching among different sources
- EDID Expert™ – selects optimum EDID settings for smooth power-up, high-quality display and use of the best video resolution across different screens
- Boundless Switching – simply moves the mouse cursor across windows to switch to other video sources
- Cascade up to 2 levels – controls up to 16 computers (with up to 4 x 4 Multi-View mode)
- Exclusive LED illumination light



Rear



CL5708I / CL5716I

1-Local/Remote Shared Access 8/16-Port PS/2-USB VGA Single Rail LCD KVM over IP Switch



Features

- Integrated KVM console with 17" or 19" LED-backlit LCD monitor in a single rail housing
- Superior video quality - up to 1280 x 1024 @75 Hz; DDC2B for the local console; up to 1920 x 1200 @ 60Hz / 24 bit color depth for remote sessions
- Video DynaSync™ – stores the console monitor's EDID (Extended Display Identification Data) to optimize display resolution
- 1 remote bus for KVM over IP access-allowing IT administrators to remotely monitor and control up to 8 servers
- Mouse DynaSync™-automatically synchronizes the local and remote mouse movements
- Daisy chain up to 15 additional units – controls up to 128/256 computers from a single console
- Exclusive LED illumination light
- Two level password security - only authorized users can view and control computers; up to 64 user accounts with separate profiles for each



Rear

CL5708I



CL5716I



CL3108 / CL3116

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



Features

- Integrated KVM console with an 18.5" LED-backlit LCD monitor in a single rail housing
- Cascade up to 2 levels – controls up to 128/256 computers from a single console
- Short-depth design allows you to work with your rack-mounting equipment in narrow spaces
- Superior video quality - up to 1366 x 768 @60Hz; DDC2B
- Keyboard and mouse emulation (PS/2 and USB) for smooth switching and simultaneously booting multiple computers even when the console focus is elsewhere
- Exclusive LED illumination light



Rear

CL3108



CL3116



CL1308 / CL1316

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



Features

- Integrated KVM console with 19" LED-backlit LCD panel
- A single console controls up to 128 / 256 computers by cascade to 2 levels and connect up to 8 / 16 switches
- Superior video quality – up to 1280 x 1024 @ 75 Hz; DDC2B
- USB or PS/2 keyboard and mouse emulation – computers boot even when the console focus is elsewhere
- Exclusive LED illumination light



Rear

CL1308

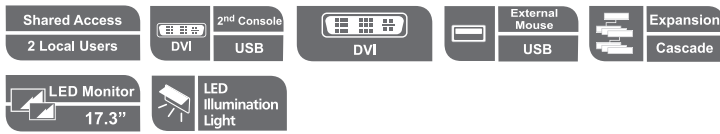


CL1316



CL6708MW

8-Port USB DVI Single Rail WideScreen LCD KVM Switch



Features

- Integrated KVM with a 17.3" Widescreen DVI Full HD LCD monitor
- Single rail, sliding housing with top and bottom clearance for smooth operation in a 1U rack
- Controls eight Single Link DVI computers
- Superior video quality – 1920 x 1080 @ 60Hz; DDC2B
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes responsiveness when switching between ports
- Supports an external console with DVI video port
- HDCP-compatible for hassle-free content-protected media playback
- Exclusive LED illumination light



Rear



CL5708 / CL5716

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



Features

- Integrated KVM console with 17", 17.3" or 19" LED-backlit LCD monitor in a Slideaway™ housing
- Daisy-chain up to 31 additional units – controls up to 256 / 512 computers from a single console
- USB port allows each computer to access USB peripherals (inapplicable to CL5708MW / CL5716MW)
- LCD module rotates up to 120 degrees for a more comfortable viewing angle
- Superior video quality – supports resolutions of up to 1280 x 1024 @ 75 Hz (CL5708M / CL5708FM / CL5708N / CL5716M / CL5716FM / CL5716N) and 1920 x 1080 @ 60 Hz (CL5708MW / CL5716MW)
- Exclusive LED illumination light



Rear

CL5708

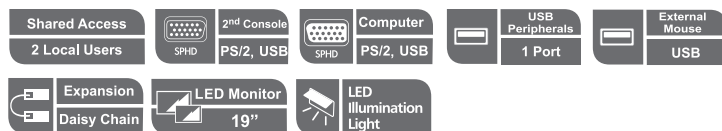


CL5716



CL5808 / CL5816

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



Features

- Integrated KVM console with 19" LED-backlit LCD in a Dual Rail housing
- Daisy-chain up to 31 additional units*– control up to 256 / 512 computers from two consoles (one bus)
- Superior video quality - supports resolutions up to 1280 x 1024 @ 75 Hz
- LCD module rotates up to 120 degrees for a more comfortable viewing angle
- Front panel USB port allows each computer to access USB peripherals
- Exclusive LED illumination light



Rear

CL5808



CL5816



LCD Console Feature Comparison

	CL3800	CL3700	CL3100	CL6700	CL5800	CL1000
Console Connections (Local)	1					
Number of Computers	1					
Max. Computers controlled	1					
Computer Connector	HDMI, DVI-D, VGA	HDMI	SPHD	HDMI, DVI-D, VGA	SPHD	SPHD
Computer Interface	USB, VGA, DVI-D, HDMI	USB, HDMI	USB, VGA	USB, VGA, DVI-D, HDMI	PS/2, USB, VGA	PS/2, VGA
External Console	USB, VGA, DVI-D, HDMI	USB, HDMI	USB, VGA	USB, VGA, DVI-D, HDMI	PS/2, USB, VGA	N/A
LCD Size	18.5"	18.5"	18.5"	17.3'	19'	17', 19'
Panel Resolution	1366 x 768, 1920 x 1080	1366 x 768, 1920 x 1080	1366 x 768	1280 x 1024, 1920 x 1080	1280 x 1024, 1920 x 1200	1280 x 1024, 1920 x 1200
Max. Resolution	1920 x 1200					
Extra Mouse Port	USB	USB	USB	USB	USB	N/A
Keyboard/Mouse Emulation	USB	USB	USB	USB	PS/2, USB	PS/2
USB Peripheral	✓	✓	✓	✓	✓	N/A
LED Illumination Light	✓					
Rail Type	Dual Rail	Single Rail	Single Rail	Single Rail	Dual Rail	Single Rail
Multi-Platform Support	Windows, Mac, Sun, Linux	Windows, Mac, Sun, Linux	Windows, Mac, Sun, Linux	Windows, Mac, Sun, Linux	Windows, Mac, Sun, Linux	Windows, Linux
Audio	Speaker	N/A	Speaker	Speaker	N/A	N/A

CL3800

Ultra Short Depth Dual Rail WideScreen LCD Console (USB, HDMI / DVI / VGA)



Shared Access 2 Local Users	2nd Console HDMI, DVI, VGA, USB	External Mouse USB	Audio Enabled	LED Monitor 18.5"
LED Illumination Light				

Features

- Integrated LCD KVM console with an 18.5" LED-backlit widescreen LCD monitor in a dual rail housing with top and bottom clearance for smooth operation in a 1U high system rack
- Short-depth design allows you to work with your rack-mounting equipment in narrow spaces
- Dual rail design allows LCD monitor and keyboard/touchpad modules to operate independently
- The 18.5" LCD screen offers resolutions of up to 1920 x 1080 (Full HD) @ 60Hz for CL3800NW and resolutions of up to 1366 x 768 @ 60Hz for CL3800NX
- Supports an external console with USB / HDMI / DVI / VGA connectors
- Supports 3 types of video inputs (HDMI / DVI / VGA)
- Exclusive LED illumination light



Rear



CL3700

Ultra Short Depth Single Rail WideScreen LCD Console (USB, HDMI)



Shared Access 2 Local Users	2nd Console HDMI, USB	External Mouse USB	LED Monitor 18.5"	LED Illumination Light
--------------------------------	--------------------------	-----------------------	----------------------	------------------------

Features

- Integrated LCD KVM console with an 18.5" LED-backlit widescreen LCD monitor in a dual rail housing with top and bottom clearance for smooth operation in a 1U high system rack
- Short-depth design allows you to work with your rack-mounting equipment in narrow spaces
- The 18.5" LCD screen offers resolutions of up to 1920 x 1080 (Full HD) @ 60Hz for CL3700NW and resolutions of up to 1366 x 768 @ 60Hz for CL3700NX
- External console supports input video resolutions up to 1920 x 1200 @ 60Hz
- Supports HDMI video input, USB keyboard, and mouse
- Supports an external console with USB / HDMI connectors
- Exclusive LED illumination light



Rear



CL3100

Ultra Short Depth Single Rail WideScreen LCD Console (USB, VGA)

Shared Access 2 Local Users	2nd Console VGA, USB	External Mouse USB	Audio Enabled	LED Monitor 18.5"
LED Illumination Light				

Features

- Integrated LCD KVM console with an 18.5" LED-backlit widescreen LCD monitor in a dual rail housing with top and bottom clearance for smooth operation in a 1U high system rack
- Short-depth design allows you to work with your rack-mounting equipment in narrow spaces
- 18.5" LCD screen with resolution of 1366 x 768 @ 60Hz
- External console supports input video resolutions up to 1920 x 1200 @ 60Hz
- Supports VGA video input; supports an external console with USB / VGA connectors
- Exclusive LED illumination light



Rear



CL6700

Single Rail LCD Console (USB, HDMI / DVI / VGA)

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

Features

- Integrated KVM console with a 17.3" LED-backlit Widescreen Full HD LCD monitor in a single rail housing with top and bottom clearance for smooth operation in a 1U high system rack (CL6700MW)
- Superior video quality – up to 1920 x 1080 @ 60Hz (CL6700MW)
- Supports an external console with USB / DVI / VGA / HDMI connectors (CL6700MW)
- Exclusive LED illumination light



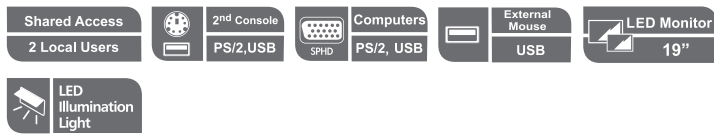
Rear



HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

CL5800

Dual Rail LCD Console (PS/2-USB, VGA)



Features

- Integrated KVM console with a 19" LED-backlit LCD monitor in a dual rail housing with top and bottom clearance for smooth operation in a 1U high system rack
- Supports input video resolutions up to 1920 x 1200 @ 60 Hz; and up to 1280 x 1024 @ 75 Hz with the built-in LCD screen
- Supports an external console* with either PS/2 or USB connectors
- Dual rail design allows LCD monitor and keyboard/touch pad modules to operate independently
- Exclusive LED illumination light



Rear



CL1000

Single Rail LCD Console (PS/2-USB, VGA)



Features

- Integrated KVM console with 17" or 19" LED-backlit LCD monitor – in a sliding housing with top and bottom clearance for smooth operation in a 1U high system rack
- LCD module rotates up to 120 degrees for a more comfortable viewing angle
- Slideaway™ housing is less than 1U – with top and bottom clearance for smooth operation in a 1U high system rack
- Supports input video resolutions up to 1920 x 1200 @ 60 Hz; and up to 1280 x 1024 @ 75 Hz with the built-in LCD screen
- Exclusive LED illumination light

(17" / 19")



Rear



Optional Rack Mount Kits

Standard Short – package included



Standard Long



2X-010G

2X-023G

2X-040G

Easy Installation Short



2K-0003

2K-0005

Easy Installation Long



2K-0004

2K-0006

2-in-1U Mounting Kit

The ATEN 2-in-1U Mounting Kit allows you to combine the CL3800/CL3700/CL3100 LCD KVM Console with a rack KVM switch in 1U of space, which helps users save space for a more convenient and flexible working environment.

Standard Installation



2K-0001

2K-0007

Easy Installation

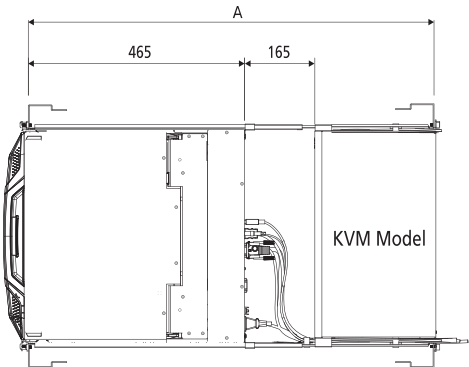


2K-0002

Table of compatibility between the LCD KVM consoles and the KVM switches

Mounting Kit	LCD KVM Console	CL3800	CL3700	CL3100	Depth of KVM Switch (cm)	Applicable Rack Depth (cm)
	Compatible KVM Model					
2K-0001 / 2K-0002	CS1768	•	N/A	N/A	15.5	78.0-105.0
	CS1308 / CS1316, CS1708A / CS1716A, KH1508A / KH1516A / KH1532A, KH1508Ai / KH1516Ai	•	N/A	•		
	CS19208 / CS19216, CS18208 / CS18216	•	•	N/A	21.0	83.5-105.0
	CS1798 / CS17916	•	•	N/A	25.4	87.9-105.0
2K-0007	KN1108VA / KN1116VA	•	•	•	28.0	88.5-105.0
	KN4116VA / KN4132VA / KN2116VA / KN2132VA / KN1132V / KN4140VA / KN4124VA / KN2140VA / KN2124VA / KN2116VB / KN4016VB / KN2124VB / KN4024VB / KN1132VB / KN2132VB / KN4032VB	•	•	•	40.7	101.2-105.0

Note: For more information about the KN and KH products, please refer to Altusen product catalog.



Note: A stands for Applicable Rack Depth.



Dual Rail LCD KVM Switches



IT managers are now, more than ever, looking for solutions that can help reduce costs and maximize space.

ATEN Dual Rail LCD KVM Switches connect up to 16 computers. Dual Rail LCD KVM Switches are space-saving, provide robust control and, when incorporated with ATEN Rack KVM switches and Multi-Interface Cat 5 KVM switches, are fully scalable.

- **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 the LCD and can be switched OFF by pushbutton if needed. The unique design serves to brighten low-light conditions and provides a more flexible working environment.

- **Slim and Convenient**

ATEN Dual Rail LCD KVM Switches maximize space on server racks by integrating a retractable LCD monitor, keyboard and touchpad in a 1U Dual Rail housing. The unique Dual Rail design separates the LCD module from the keyboard/touchpad module, which allows the keyboard/touchpad to be pushed away into the housing and out of the way when not in use.

- **Boost Efficiency**

ATEN Dual Rail LCD KVM Switches allow administrators to monitor the status of individual ports without the hassle of manual switching. The dynamic Auto Scan function automatically switches among user-selected ports at specified intervals. The broadcast function can transmit the administrator's keyboard and mouse inputs to all the available computers at once, instead of performing the same commands on each server.

- **Easy Access and Control**

ATEN LCD KVM Switches provide three convenient methods to monitor, access, and control devices on your installation:

- 1) Port selection pushbuttons
- 2) Hotkey
- 3) OSD (On Screen Display)

Station and port selectors with 7-segment LED displays are also provided for fast switching to target computers from the KL1508A / KL1516A, KL1108V / KL1116V, and KL1508Ai / KL1516Ai models.

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

	KL1508A / KL1516A	KL1108A	KL1116V	KL1508Ai / KL1516Ai
Console Connections (Local)	1	1	1	1 (Share)
Console Connections (Remote)	N/A	1	1	1 (Share)
Number of Computers	8/16	8	16	8/16
Max. Computers controlled	256/512	128	256	128/256
Expansion Method	Daisy Chain	Cascade	Cascade	Daisy Chain
Computer Connector	RJ-45			
Computer Interface	PS/2, USB, VGA, DVI-D, HDMI, DisplayPort, Serial, Sun Legacy			
External Console	VGA, PS/2, USB	VGA, USB, DVI-D	VGA, USB, DVI-D	VGA, PS/2, USB
LCD Size	17', 19'	19'	19'	17', 19'
Panel Resolution	1280 x 1024			
Max. Resolution	1920 x 1200			
Extra Mouse Port	USB			
Keyboard/Mouse Emulation	PS/2, USB			
Port Selection	OSD, Hotkey, Pushbutton			
Video DynaSync™	N/A	✓	✓	✓
Adapter ID™ Support	✓			
Blade Server Support	N/A	✓	✓	N/A
Auto Scan	✓			
KVM over IP	N/A	✓	✓	✓
Multi-level Password Security	✓			
Mouse DynaSync™	N/A	✓	✓	✓
Panel Array Mode	N/A	✓	✓	✓
Virtual Media Support	N/A	✓	✓	N/A
LED Illumination Light	✓			
Broadcast Mode	✓			
Dual LAN	N/A	✓	✓	N/A
PadClient Support	N/A	✓	✓	N/A
FIPS 140-2 Level 1	N/A	✓	✓	N/A
Event Notification	N/A	✓	✓	✓
3rd Party Authentication	N/A	✓	✓	✓
Group Account	N/A	✓	✓	N/A
RS-232 Support	N/A	✓	✓	N/A
Rail Type	Dual Rail			
Multi-Platform Support	Windows, Mac, Sun, Linux			

KL1508A / KL1516A

8/16-Port Multi-Interface Cat 5 Dual Rail LCD KVM Switch



Features

- Integrated KVM console with 17" or 19" LED-backlit LCD monitor
- A single console controls up to 8/16 computers
- Conveniently located station and port selectors with LED displays to quickly switch to target computers
- Dual Rail housing is slightly less than 1U with top and bottom clearance for smooth operation in 1U of rack space
- Superior video quality- Supports the video resolutions up to 1280 x 1024 @ 75 Hz for up to 50 meters
- LCD module rotates up to 120 degrees for a more comfortable viewing angle
- Daisy-chain up to 15 additional units - control up to 256 / 512 computers
- Exclusive LED illumination light

KL1516A



Front



Rear



KL1108V / KL1116V

1-Local/1-Remote Access 8/16-Port Multi-Interface Cat 5 Dual Rail LCD KVM over IP Switch



Features

- Integrated KVM console with 19" LED-backlit LCD monitor in a dual rail housing
- LCD module rotates up to 120 degrees for a more comfortable viewing angle
- Dual Rail housing with 1U-high design for convenient operation
- High Video Resolutions – up to 1920 x 1200 @ 60 Hz with 24-bit color depth at the switch's external local console and on remote displays; up to 1280 x 1024 @ 75 Hz at the switch's built-in LCD screen
- Integration with ATEN CC2000 Centralized Management Software & CCVSR Video Session Recording Software
- Supports ATEN KVM over IP Console Station
- Monitor and control up to 8/16 computers on a single level or control up to 128 / 256 computers in a cascade
- Panel Array Mode™ – view the video output of up to 64 servers on one screen simultaneously
- Message board feature allows logged in users to communicate with each other
- Exclusive LED illumination light
- High-grade security – supports TLS 1.3 and an embedded FIPS 140-2 certified OpenSSL cryptographic module (Certificate #4282)

KL1116V



Front



Rear



KL1508Ai / KL1516Ai

1-Local/Remote Shared Access 8/16-Port Multi-Interface Cat 5 Dual Rail LCD KVM over IP Switch



KL1516Ai



Features

- Integrated KVM console with 17" or 19" LED-backlit LCD monitor in a Dual Rail housing
- LCD module rotates up to 120 degrees for a more comfortable viewing angle
- Dual Rail housing with 1U-high design for convenient operation
- Superior Video Quality – supports input video resolutions up to 1920 x 1200 @ 60Hz up to 30 meters, 1600 x 1200 @ 60Hz up to 40 meters, and 1280 x 1024 @ 75Hz up to 50 meters
- Integration with ATEN CC2000 Centralized Management Software
- Supports ATEN KVM over IP Console Station
- Daisy chain up to 15 additional KVM switches to control up to 128 / 256 computers
- Panel Array Mode™ – view the video output of up to 64 servers on one screen simultaneously
- Message board feature allows logged in users to communicate with each other
- Exclusive LED illumination light

KL1516Ai



Front



Rear



Installation Options

ATEN LCD KVM Switches allow you to choose from several rack mount kit options, including the Single Person Easy Installation Rack Mount Kit, which streamlines the rack mounting process. Standard rack mounting procedures need at least two people to install an LCD KVM switch. The Single Person Easy Installation Rack Mount Kit allows one person to install an LCD KVM Switch.

Single Person Installation

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

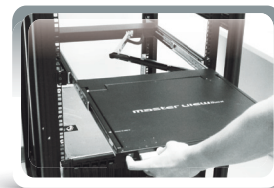
1. Secure the side rails to the rack.



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



3. Open the Dual Rail LCD KVM Switch. Now you are ready to begin installing the servers.



Standard Installation Rack Mount Kit

Short (Standard) – package included



Long (Optional)



2X-010G

Easy Installation Rack Mount Kit

Short (Optional)



2K-0005

Long (Optional)



2K-0006

Rack Mount Kits

For convenience and flexibility, 4 rack mount kits are available.

Model No.	Bracket Type	Depth (cm)
KL1508AN, KL1516AN, KL1108VN, KL1116VN, KL1508AiN, KL1516AiN (19" LCD)	Standard Installation – Short (Standard)	42 – 77
	Standard Installation – Long (2X-010G)	68 – 105
	Easy Installation – Short (2K-0005)	57 – 70
	Easy Installation – Long (2K-0006)	68 – 105
KL1508AM, KL1516AM, KL1508AiM, KL1516AiM, (17" LCD)	Standard Installation – Short (Standard)	42 – 77
	Standard Installation – Long (2X-010G)	68 – 105
	Easy Installation – Short (2K-0005)	57 – 70
	Easy Installation – Long (2K-0006)	68 – 105

Management Software / Control Center



ATEN Management Software offers:

- CC2000 Centralized Management Software
- CCVSR Video Session Recording Software

Providing IT administrators with complete centralized management of data centers.

• CC2000 Management software

CC2000 provides IT administrators with a solution that enables central management of their IT infrastructure locally and worldwide through a single portal. When used in conjunction with ATEN KVM over IP switches, Serial Console Servers, PDU devices and third party devices such as embedded service processors, blade servers, and physical and virtual servers for in-band and out-of-band management, management of all installed devices can be effortlessly consolidated via a single portal. Featuring a floor map, CC2000 provides users the flexibility to observe the status of installed equipment from a location level down to the device level in both 2D and 3D images, facilitating comprehensive capacity planning and meticulous capacity management. By integrating ATEN PDU series, SN11xx series and Energy Box, the CC2000 supports real-time environment and power monitoring, allowing users to recognize potential hot spots in racks to ensure 24/7 availability of IP equipment and power status of PDUs through the CC2000 Dashboard. The CC2000 Dashboard displays a comprehensive overview of device status, device events, task results, online users, and licensed nodes usage at a glance. Meanwhile, the details of currently logged-in users can be monitored while suspicious user sessions can be terminated as needed. Furthermore, the Dashboard's notification function allows administrators to receive prompt updates from the device status and device events sections as well as the critical logs, so that they can handle and sort out problems more efficiently. The CC2000's Primary-Secondary architecture safeguards data transmissions through built-in redundancy factors, including automated database backup of Primary and Secondary servers, and devices in addition to real-time database updating.

• CCVSR Video Session Recording Software

ATEN's Control Center Video Session Recording (CCVSR) software is an innovative and effective solution designed for live monitoring and operation backtracking. Administrators can view a live feed of operators currently operating on their systems and thus quickly resolve operational flaws, process discrepancies, and more. In addition, IT managers can go back to recorded operation videos to trace changes made for compliance control improvement and auditing efficiency. With its LiveView function, CCVSR provides live-video surveillance to allow administrators to monitor multiple KVM ports in real time as well as providing a Playback function that allows users to quickly view older videos of the same channel for troubleshooting or problem solving. CCVSR can record all or specific server ports automatically for convenient auditing of operations conducted through a KVM over IP switch; from BIOS level and logging in, to running software applications and configuring the operating system – all actions are recorded and saved without exception.

Note:

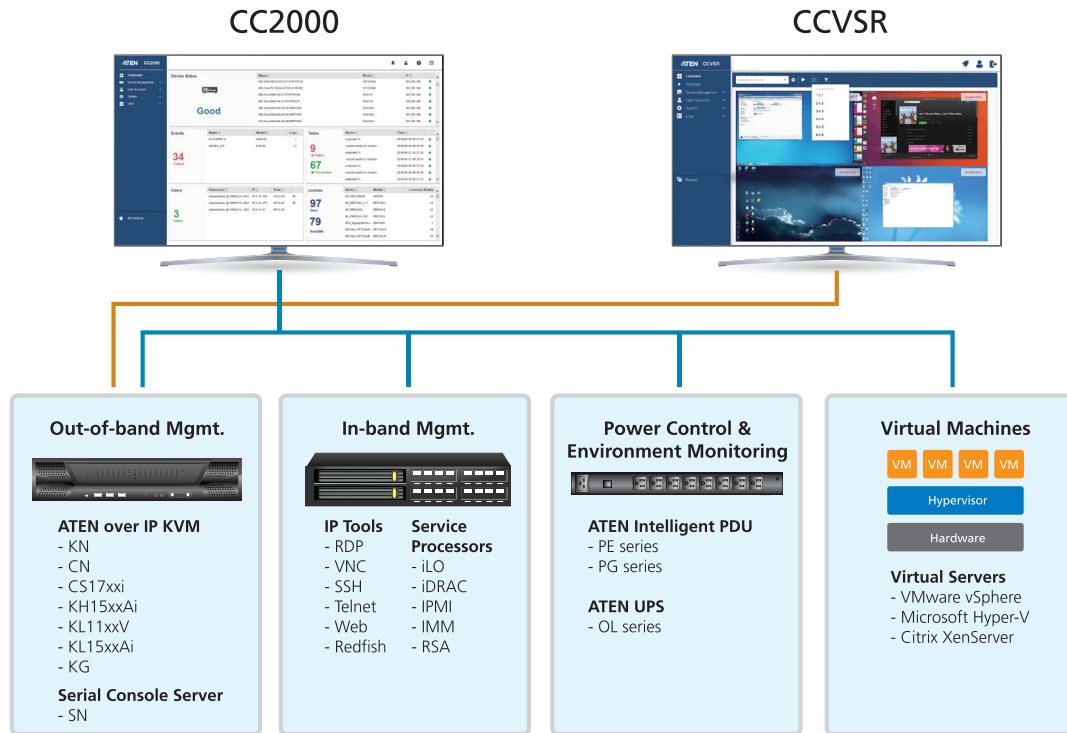
The features highlighted above are not available in all products. Please refer to each product page for more details. Product information is subject to change without prior notice.

CC2000 Centralized Management Software

A secure and centralized systems management solution that enables you to manage all the IT equipment connected to ATEN over IP devices through a single portal.

CCVSR Video Session Recording Software

An innovative new software that records a video of all operations on servers connected to KVM over IP Switches.



KVM over IP Switch

Access and manage different types of server platform in remote data centers with ease.

Serial Console Server

Manage and control all serial devices inside server rooms from anywhere at anytime.

PDU / UPS

Remotely manage the power status of IT devices and ATEN Professional Online UPS in enterprise server rooms around the world.

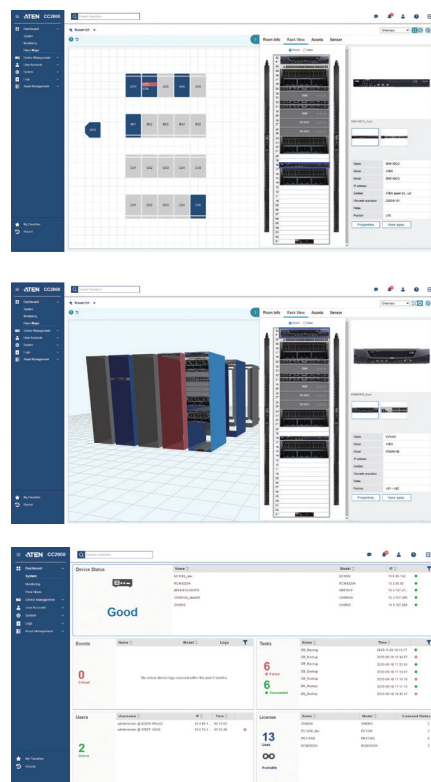
CC2000

Centralized Management Software

Features

- Asset management – effortlessly view the specifications, appearance, location, and configuration of every asset in the data center, enabling users to improve the efficiency and reliability of data center operations
- Visualized floor map – allows users to view the layout of server rooms and the configuration of server racks in 2D or 3D floor maps, providing insights on the overall the capacity and status of the infrastructure
- Environment and power monitoring – incorporate floor maps and sensors (e.g. temperature, humidity etc.) to easily get a glance status of environmental health about your data center. Real-time notification – for ensuring 24/7 availability of critical alerts, CC2000 notifies users when monitoring data exceed a user-configured threshold
- Trend charts and auditing – allow users to gain insight, analyze findings, and take strategic actions
- Single sign-on to consolidate the management of ATEN's KVM over IP switches, serial console servers, intelligent PDUs, UPSs, and third party devices such as embedded service processors, and physical and virtual servers
- Intuitive user interface with HTML5 to deliver friendly user experience
- At-a-glance Dashboard portal to display an overview of the device status, device events, task results, online users, and licensed nodes usage
- Flexible remote access to service processors including Redfish (iDRAC8/iLO5), Dell iDRAC5/6/8, HP iLO2/3/5, IBM RSA II, Dell CMC, IBM AMM, HP OA, IPMI, IMM, or to IT equipment using RDP, VNC, SSH, or Telnet IP tools
- Supports access and control to virtualized environment over VMware vSphere 6.0/6.5/6.7/7.0/8.0, Windows Server 2008, 2012 & 2016, or Citrix XenServer 6.5
- Supports LDAP, AD, Kerberos, RADIUS and TACACS+ for centralized authentication and authorization
- TLS v1.3 data encryption and RSA 2048-bit certificates to secure user logins from browser
- Event notification support through Dashboard, message center, email, SNMP trap (v1, v2c, v3), and Syslog
- Task scheduling for backing up CC2000 database and configuration, exporting logs, and controlling power on/off on PDU devices
- Supports MOTP (Mobile One Time Password) and 2FA (Two-Factor Authentication)

Note: Please refer to www.aten.com for more details



License Options

CC2000 License Options with USB Licence Key

- CC2000TN (Tiny Pack: 1 Primary, 32 Nodes)
- CC2000XL (Extra Lite Pack: 1 Primary, 64 Nodes)
- CC2000LE (Lite Pack: 1 Primary, 128 Nodes)
- CC2000LS (Lite Plus Pack: 1 Primary, 256 Nodes)
- CC2000SD (Standard Pack: 1 Primary, 1 Secondary, 512 Nodes)
- CC2000PS (Plus Pack: 1 Primary, 5 Secondary, 2048 Nodes)
- CC2000PM (Premium Pack: 1 Primary, 9 Secondary, 5120 Nodes)
- CC2000PL (Platinum Pack: 1 Primary, 15 Secondary, Unlimited Nodes)
- CC2000MX (Maximum Pack: 1 Primary, 31 Secondary, Unlimited Nodes)

CC2000 System Add-On License

- CCS1 (Add-on 1 Secondary Server License)
- CCN1 (Add-on 1 Node License)
- CCN10 (Add-on 10 Nodes License)
- CCN50 (Add-on 50 Nodes License)
- CCN100 (Add-on 100 Nodes License)
- CCN500 (Add-on 500 Nodes License)
- CCN1000 (Add-on 1000 Nodes License)
- CCN10000 (Add-on 10000 Nodes License)
- CCNU (Add-on unlimited Nodes License)

CC2000 Maintenance License

- CCMA64 (1 YR SUP FOR 64 NODES)
- CCMA128 (1 YR SUP FOR 128 NODES)
- CCMA256 (1 YR SUP FOR 256 NODES)
- CCMA512 (1 YR SUP FOR 512 NODES)
- CCMA1024 (1 YR SUP FOR 1024 NODES)
- CCMA2048 (1 YR SUP FOR 2048 NODES)
- CCMA5120 (1 YR SUP FOR 5120 NODES)
- CCMAU (1 YR SUP FOR UNLIMITED NODES)

CCVSR

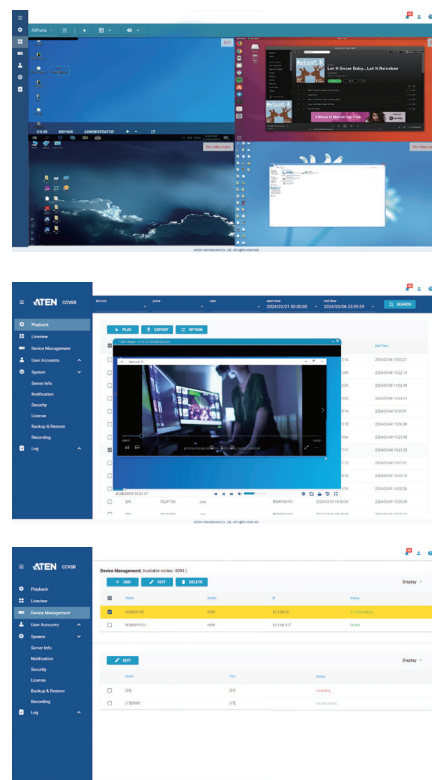
Video Session Recording Software



Features

- Records user sessions from BIOS-level when users access ATEN KVM over IP switches and serial console servers locally or remotely
- Simultaneously records, streams and plays the operation of multiple KVM over IP Switches.
- Supports high quality video recording – with video resolutions up to 1920 x 1200 with 24-bit color depth
- Logs keystrokes, mouse clicks, and audio operations during video recording sessions
- Proprietary video player with format and password-protected video export function for enhanced security
- LiveView function to provide live-video surveillance for direct monitoring of operations and changes made on servers or the connected devices
- Intuitive User Interface with HTML5 to deliver friendly user experience
- Continuous recording even without opening WinClient/JavaClient (single-port over-IP KVM switches only)
- Access control to grant or restrict user access with IP & MAC address filter, and configurable failed login attempts and logout
- Configurable user and group permissions
- TLS v1.2 data encryption (AES-256 bit supported) and RSA 2048-bit certificates to secure user logins from browser
- Port level permissions – users can only view ports they have been authorized to access
- Easily search through captured sessions for incident investigation
- Advanced search with time, port name, and username for precise results
- Flexibility in saving recorded videos in local hard drives, secondary CCVSR servers, or network attached storage (NAS) devices, or archive in Archive server
- Supports up to 3 secondary CCVSR servers for storage expansion and service failover
- Supports self-signed certificates and certificates signed from third-party authorities (CA)
- Third-party remote authentication supports: RADIUS, LDAP, LDAPS and Active Directory
- Centralized role-based (Super Administrator & User) policy for user access privilege control
- System event notification via SMTP email, SNMP trap and Syslog support
- Supports device level event logs

Note: Please refer to www.aten.com for more details



License Options

CCVSR License Options with USB Licence Key

- CCVSR08 (8 Nodes)
- CCVSR16 (16 Nodes)
- CCVSR32 (32 Nodes)
- CCVSR64 (64 Nodes)
- CCVSR128 (128 Nodes)
- CCVSR256 (256 Nodes)
- CCVSR512 (512 Nodes)
- CCVSR1024 (1024 Nodes)
- CCVSR2048 (2048 Nodes)

CCVSR Add-On System License

- CCVSRN1 (Add-on 1 Node License)
- CCVSRN8 (Add-on 8 Nodes License)
- CCVSRN16 (Add-on 16 Nodes License)
- CCVSRN32 (Add-on 32 Nodes License)
- CCVSRN64 (Add-on 64 Nodes License)
- CCVSRN128 (Add-on 128 Nodes License)
- CCVSRN256 (Add-on 256 Nodes License)
- CCVSRN512 (Add-on 512 Nodes License)
- CCVSRN1024 (Add-on 1024 Nodes License)
- CCVSRN2048 (Add-on 2048 Nodes License)
- CCVSRAS1 (Add-on Archive Server License)

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 up to four methods to access and control all the servers on your installation: port selection pushbuttons on the switch, hotkey combinations from the keyboard, a menu-driven OSD (On Screen Display) system, and RS-232 commands (only on CS19208/CS19216 and CS18208/CS18216).

- **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 that automatically switches among user selected ports at user-specified intervals – allowing administrators to monitor rack KVM switch status.

- **Video DynaSync™**

Exclusive ATEN technology eliminates boot-up display problems and optimizes resolutions when switching among different sources.

Note:

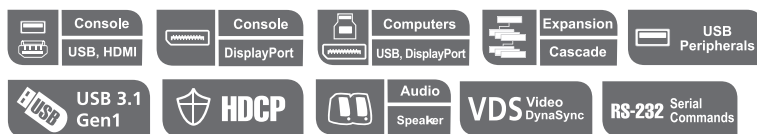
The features highlighted above are not available in all products. Please refer to each product page for more details. Product information is subject to change without prior notice.

Feature Comparison

	CS19208/ CS19216	CS18208/ CS18216	CS1798/ CS1716	CS1788	CS1768	CS1708A/ CS1716A	CS1308/ CS1316
Number of Computers	8/16	8/16	8/16	8	8	8/16	8/16
Console Interface	USB, HDMI, DisplayPort	USB, HDMI	USB, HDMI	USB, VGA, DVI-I (Dual Link)	USB, VGA, DVI-I	PS/2, USB, VGA (SPHD)	PS/2, USB, VGA (SPHD)
Max. Computers controlled	128/256	512/256	512/256	512	512	256/512	64/256
Computer Interface	USB, DisplayPort	USB, HDMI	USB, HDMI	USB, VGA, DVI-I (Dual Link)	USB, VGA, DVI-I	PS/2, USB, VGA (SPHD)	PS/2, USB, VGA (SPHD)
Port Selection	OSD, Hotkey, Pushbutton, RS-232 commands	OSD, Hotkey, Pushbutton, RS-232 commands	OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton	OSD, Hotkey, Pushbutton
Expansion Method	(Cascade)	(Cascade)	(Cascade)	(Cascade)	(Cascade)	(Daisy Chain)	(Cascade)
Max. Resolution	4096 x 2160@60Hz	4096 x 2160@60Hz	1920 x 1200	2560 x 1600	2048 x 1536	2048 x 1536	2048 x 1536
USB Peripheral	✓	✓	✓	✓	✓	✓	N/A
Firmware Upgradable	✓						
Video DynaSync™	✓						
Auto Scan	✓						
Mounting Kit	✓						
Independent Switching	✓	✓	✓	✓	✓	N/A	N/A
Multilingual Support	✓						
Broadcast Mode	✓						
RS-232 Control	✓	✓	N/A	N/A	N/A	N/A	N/A
Hotkeys	✓						
Audio	Speaker	Speaker	Speaker	Speaker, Microphone	Speaker, Microphone	N/A	N/A

CS19208 / CS19216

8/16-Port USB 3.0 4K DisplayPort KVM Switch



Features

- One USB console controls up to 8/16 DisplayPort interface computers and two additional USB 3.1 Gen 1 peripheral devices
- Cascadable to two levels – controls up to 128/256 computers (CS19208 / CS19216)
- Multi-Display feature – stack up to eight CS19208 / CS19216 units and display video from up to 8 monitors (dual display / triple display / quad display / multi-display)
- Video DynaSync™ – an exclusive ATEN technology that eliminates boot-up display problems and optimizes the resolution when switching among different sources
- EDID Expert™ – selects optimum EDID mode for smooth power-up and highest quality display
- Supports a DisplayPort or HDMI video output – allows you to choose an appropriate video output and deploy console with flexibility
- Superior video quality – up to 4K DCI (4096 x 2160 @ 60Hz)
- Computer selection via pushbuttons, hotkeys, OSD, and RS-232 commands
- Broadcast mode – operations can be simultaneously performed on all selected computers, such as software installation and upgrading, system-wide shutdown, etc
- Auto Scan Mode for monitoring all computers
- Built-in 2-port USB 3.1 Gen 1 hub with SuperSpeed 5 Gbps data transfer rates

CS19208



Front



Rear



CS19216



Front



Rear



CS18208 / CS18216

8/16-Port USB 3.0 4K HDMI KVM Switch



Features

- One USB console controls up to 8/16 HDMI interface computers and two additional USB 3.1 Gen 1 peripheral devices
- Cascade to three levels – controls up to 512 computers (CS18208 cascade to CS18208 only); or two levels – up to 256 computers (CS18216 cascade to CS18216 only)
- Multi-Display feature – stack up to eight CS18208 / CS18216 units and display video from up to 8 monitors (dual display / triple display / quad display / multi-display)
- Video DynaSync™ – an exclusive ATEN technology that eliminates boot-up display problems and optimizes the resolution when switching among different sources
- EDID Expert™ – selects optimum EDID mode for smooth power-up and highest quality display
- Superior video quality – up to 4K DCI (4096 x 2160 @ 60Hz)
- Computer selection via pushbuttons, hotkeys, OSD, and RS-232 commands
- Broadcast mode – operations can be simultaneously performed on all selected computers, such as software installation and upgrading, system-wide shutdown, etc.
- Auto Scan Mode for monitoring all computers
- Built-in 2-port USB 3.1 Gen 1 hub with SuperSpeed 5 Gbps data transfer rates

CS18208



Front



Rear



CS18216



Front

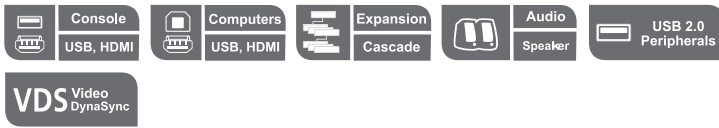


Rear



CS1798 / CS17916

8/16-Port USB HDMI/Audio KVM Switch



Features

- One USB console controls up to 8/16 HDMI interface computers and two additional USB 2.0 devices
- Cascadable to three levels – controls up to 512 computers (CS1798); or two levels – up to 256 computers (CS17916)
- Multi-Display feature – stack up to eight CS1798 / CS17916 units and display video from up to 8 monitors (dual display / triple display / quad display / multi-display)
- Video DynaSync™ – an exclusive ATEN technology that eliminates boot-up display problems and optimizes the resolution when switching among different sources
- Superior video quality – supports up to 1080p / 1920 x 1200 @ 60 Hz
- Computer selection via front panel pushbuttons, hotkeys, and multilingual on-screen display (OSD)
- Auto Scan Mode for monitoring all computers

CS1798



Front



Rear



CS17916



Front



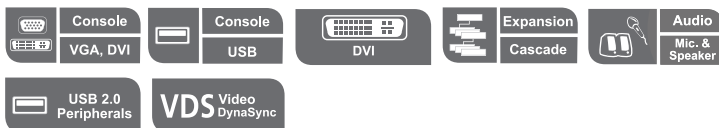
Rear



CS1788

8-Port USB DVI Dual Link/Audio KVM Switch

Dual Link



Features

- One USB console controls eight Dual Link DVI or VGA computers and two additional USB 2.0 devices
- Supports a digital (DVI) or analog (VGA) video output
- Cascadable to three levels – control up to 512 computers
- Multi-Display feature – stack up to four CS1788 units and display video from up to four monitors (dual display / triple display / quad display)
- Video DynaSync™ – an exclusive ATEN technology that eliminates boot-up display problems and optimizes the resolution when switching among different sources
- Superior video quality – 2560 x 1600 (Dual Link DVI); 2048 x 1536 (VGA); DDC2B
- Computer selection via front panel pushbuttons, hotkeys, and multilingual on-screen display (OSD)

Front



Rear



CS1768

8-Port USB DVI/Audio KVM Switch

Features

- Superior video quality – 1920 x 1200 (Single Link DVI); 2048 x 1536 (VGA); DDC2B
- Supports a digital (DVI) or analog (VGA) video output; Cascadable to three levels – control up to 512 computers
- Broadcast mode – allows you to send commands from the console to all computers to perform operations simultaneously.
- Multi-Display feature – stack up to four CS1768 units and display video from up to four monitors (dual display / triple display / quad display)



Front



Rear



CS1708A / CS1716A

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



Features

- One USB-PS/2 console controls up to 8/16 computers
- Daisy-chain up to 31 additional units – controls 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 among different sources
- Superior video quality - up to 2048 x 1536; DDC2B
- Computer selection via front panel pushbuttons, hotkeys and multilingual on-screen display (OSD) menus
- Broadcast mode – operations can be simultaneously performed on all selected computers, such as software installation and upgrading, system-wide shutdown, etc.
- Auto Scan Mode for monitoring all computers

CS1708A



Front



Rear



CS1716A



Front



Rear



CS1308 / CS1316

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



Features

- One USB-PS/2 console controls 8/16 computers
- Cascade up to 2 levels - control up to 64/256 computers
- Video DynaSync™ – an exclusive ATEN technology that eliminates boot-up display problems and optimizes the resolution when switching among different sources
- Superior video quality – up to 2048 x 1536; DDC2B
- Computer selection via front panel pushbuttons, hotkeys and multilingual on-screen display (OSD) menu
- Auto Scan feature for monitoring user-selected computers

CS1308



Front



Rear



CS1316



Front



Rear



Remote Control and Monitoring (RCM) Solutions



ATEN Remote Control and Monitoring (RCM) management solutions help improve efficiency, centralize management, and maintain safe operations in high-tech production line and industrial process automation environments by providing remote access to manage industrial servers and machines anytime and anywhere via an enterprise-class KVM over IP core. The ATEN range of RCM solutions includes the extensive RCM series of KVM over IP Switches, KVM over IP Transmitters, Computer Sharing Device with Access Control Box Kits, and an Adapter Module with Local Console and Access Control Box Kit. ATEN RCM solutions feature a wide range of innovative features necessary for smart factory automation in semiconductor foundry, assembly, and testing environments, as well as for the secure and reliable monitoring that is critical to smooth operations, efficiency, and productivity in industrial process automation environments.

- **Control Prioritization**

ATEN RCM solutions offer priority control of remote and local operations in any center of manufacturing or industrial control, ensuring that control of your production line / process automation equipment is always in the correct hands. RCM solutions work with the Access Control Box, allowing instant local over remote prioritization to take over control to ensure operational accuracy and to handle errors. ATEN RCM Solutions provide prioritized control of key equipment in the production line or automation process with different levels of control for different users, such as view-only or full control for administrators.

- **OCR Recipe Check/Correction and Data collection**

ATEN RCM series of KVM over IP switches support advanced and exclusive RCM and OCR API (DLL) interfaces with various functions integrated for easy management. OCR automation allows machine information data to be effectively identified in an automated process for analysis to be carried out, and errors to be processed automatically and immediately, while also improving equipment utilization rates and preventing human operation errors.

- **RCM API for System Integration**

Efficiency and quality control as the result of a well-implemented and flexible manufacturing execution system (MES) is also essential for improved production results and reduced manufacturing costs. ATEN RCM solutions facilitate the integration of test equipment and high-efficiency management solutions to perform the various testing procedures can yield enormous benefits.

- **Smoother Process Automation**

Furthermore, ATEN RCM solutions integrate with existing server-based HMI/SCADA systems for controlling, sensing, supervision, and monitoring of industrial automation processes. Solutions provide complete, real-time access to remote servers and video sources to monitor processes and analyze data in upstream, midstream, and downstream environments in the oil, gas, power, water industries, and more.

Feature Comparison

	RCM101A	RCMDVI101	RCMVGA101	RCMDP101U	RCMHD101U
Console Connections (Local / Remote)	1 (Shared)				
Computer Interface	SPHD	USB DVI-D	SPHD	USB DisplayPort	USB HDMI
Computer Connector	VGA	DVI-D	VGA	DisplayPort	HDMI
Console Interface	USB, PS/2 VGA	USB DVI-D	USB VGA	USB DisplayPort	USB HDMI
Number of Computers	1				
Max. Resolution	1920 x 1200@60Hz	1920 x 1200@60Hz	1920 x 1200@60Hz	4096 x 2160@30Hz	4096 x 2160@30Hz
Audio	N/A	✓	✓	✓	✓
Dual LAN	N/A	✓	✓	✓	✓
RS-232 Support	✓				
Multi-Platform Support	Windows, Mac, Sun, Linux				

	RCM416A	RCM816A	RCM416VA	RCM432VA	RCM464VA
Number of Computers	16	16	16	32	64
Console Connections (Local / Remote)	4 (Shared)	8 (Shared)	4 (Shared)	4 (Shared)	4 (Shared)
Console Interface	USB, VGA, HDMI				
Computer Interface	PS/2, USB, VGA, DVI-D, HDMI, DisplayPort, Serial, Sun Legacy				
Computer Connector	RJ-45				
Max. Resolution	1920 x 1200				
Dual Power	N/A	N/A	✓	✓	✓
Audio	Speaker, Microphone				
Dual LAN	✓				
RS-232 Support	✓				
Multi-Platform Support	Windows, Mac, Sun, Linux				

	RCMDVI00AT	RCMDVI40AT	RCMDVI00BT	RCMDVI40BT	RCMDVI50T
Console Interface	USB DVI-I				
Max. Resolution	1920 x 1200	1920 x 1200	1920 x 1200	1920 x 1200	2560 x 1600
Boundless Switching	✓				
Dual Display	N/A	✓	N/A	✓	N/A
Dual Link	N/A	N/A	N/A	N/A	✓
Network Fail over	✓				
Power Fail over	✓				
RS-232 Support	✓				
Audio	Stereo Audio, Speaker, Microphone				

RCMMS

Remote Control & Monitoring Management Software

Features

- Device and Panel Array Grouping for easy, convenient management
- Single sign-on to consolidate the management of all ATEN RCM devices
- AD server authentication for convenient account management
- Visualized RPA flow charts – allow users to set advanced RPA scripts that can be executed according to a specified schedule
- Flexible image setting for various, all-encompassing applications
- Instantaneous remote access to RCM device ports by double-clicking for emergency management via WinClient viewer
- Customizable Panel Array layout for up to 25 (5 x 5) simultaneous port monitoring
- Supports full screen pre-view and WinClient viewer in a maximal size
- Event notification and Access Control Box pushbutton alert
- Log records for easy tracking – able to store RCMMS system log records so operators can analyze past usability and plan future optimization
- Supports up to 10 language options
- Customized theme and logo for OEM customers, as well as customizable settings to meet the various customer needs and different applications
- Export / import of all RCMMS settings, including device group list for easy deployment
- Two types of user account that can be configured for easy management – Administrator and User. Administrators have full access and configuration rights to the RCMMS and all RCM devices / ports added while users have access and configuration rights only to the RCM devices / ports they are authorized for
- Device / Port status indication – supports up to 5 kinds of device status that are indicated by icons to easily identify the connection status of all devices / ports at a glance



RCM416VA / RCM432VA / RCM464VA / RCM416A / RCM816A

The Remote Control & Monitoring (RCM) Series of KVM over IP Switches



Features

- Supports exclusively integrated RCM APIs with various functions, such as OCR, for system integrators
- Supports recording of remotely-accessed computer operations using CCVSR
- Supports RCMMS for customizable Panel Array for operators to monitor all machines simultaneously
- Supports ATEN Access Control Box for on-site enabling / disabling of remote control privilege
- Laptop USB Console (LUC) – a dedicated USB port directly connects to a laptop for easy console operation
- Dual power supply (RCM416VA, RCM432VA, RCM464VA)
- Video resolution up to 1920 x 1200 @ 60 Hz; 24-bit color depth

RCM464VA



Front



Rear



RCM432VA



Front



Rear



RCMDVI00AT / RCMDVI40AT

DVI-I Single Display KVM over IP Transmitter with Remote Access
DVI-I Dual Display KVM over IP Transmitter with Remote Access



Features

- Supports exclusive integrated RCM API with various functions for system integrators by remote port
- Supports recording of remotely-accessed computer operations using CCVSR
- Superior video quality – up to 1920 x 1200 @ 60Hz
- Integration with KVM over IP Matrix Manager (CCKM) for more advance features, such as Fast Switching, Video walls, Boundless Switching, Push and Pull, Authentication Lock, Connection Redundancy, and Disconnection Alert
- Local enabling / disabling remote user access by ATEN Access Control Box and simultaneously displaying OSD notification to remote user
- Supports power / network failover – dual DC jacks for power redundancy and 1 RJ-45 and 1 SFP fiber ports for network failover to ensure constant availability for mission-critical applications
- Supports 1Gbps SFP fiber module expansions up to 10 km

RCMDVI40AT



Front



Rear



RCMDVI00BT / RCMDVI40BT / RCMDVI50T

DVI-I Single Display KVM over IP Transmitter with Remote Access
DVI-I Dual Display KVM over IP Transmitter with Remote Access
DVI-I Dual Link Single Display KVM over IP Transmitter with Remote Access



Features

- Control terminal – supports DI / DO / Relay for the status detection of stack lights or any other external sensors
- Dedicated LAN port for RCM direct connections – can be isolated from the corporate network
- Supports RCMMMS for customizable Panel Array for operators to monitor all machines simultaneously
- Supports an exclusive RCM API that enables more functions (e.g. OCR) to facilitate production line control for system integrators
- OSD Title Bar Notification – instantly notifies users upon urgent events
- Supports recording of remotely-accessed computer operations using CCVSR
- Integration with KVM over IP Matrix Manager (CCKM) for more advance features, such as Fast Switching, Video walls, Boundless Switching, Push and Pull, Authentication Lock, Connection Redundancy, and Disconnection Alert
- Superior video quality – DVI Dual Link up to 2560x1600 @ 60 Hz and VGA up to 1920x1200 @ 60 Hz

RCMDVI50T



Front



Rear



RCMHD101U

1-Local/Remote Shared Access Single Port 4K HDMI KVM over IP Switch



Features

- Integration with ATEN CCVSR Video Session Recording Software
- Supports ATEN Access Control Box for on-site enabling / disabling of remote control privilege
- Supports RCMMS for customizable Panel Array for operators to monitor all machines simultaneously
- Supports exclusively integrated RCM APIs with various functions, such as OCR, for system integrators
- OSD title bar notification – instantly notifies users upon urgent events
- Supports HDMI resolution up to 4K DCI (4096 x 2160) @ 30 Hz
- Provides an FPGA graphics processor for better image quality
- A mini USB port on the front panel serves as a Laptop USB Console (LUC) port
- Dual power supply for power backup



Front



Rear



RCMDP101U

1-Local/Remote Shared Access Single Port 4K DisplayPort KVM over IP Switch



Features

- Integration with ATEN CCVSR Video Session Recording Software
- Supports ATEN Access Control Box for on-site enabling / disabling of remote control privilege
- Supports RCMMS for customizable Panel Array for operators to monitor all machines simultaneously
- Supports exclusively integrated RCM APIs with various functions, such as OCR, for system integrators
- OSD title bar notification – instantly notifies users upon urgent events
- Pixel clear DP compatible with DP 1.2 up to 4K DCI (4096 x 2160) @ 30 Hz
- Provides an FPGA graphics processor for better image quality
- A mini USB port on the front panel serves as a Laptop USB Console (LUC) port
- Dual power supply for power backup
- Compatible with DP 1.2



Front



Rear



RCMDVI101

1-Local/Remote Shared Access Single Port DVI KVM over IP Switch



Features

- Integration with ATEN CCVSR Video Session Recording Software
- Supports ATEN Access Control Box for on-site enabling / disabling of remote control privilege
- Supports customizable API Panel Array by system integrators to monitor all machines for operators
- Supports exclusive integrated RCM OCR API with various function for system integrators
- OSD title bar notification – instantly notifies users if any urgent event occurs
- High video resolution – up to 1920 x 1200 @ 60Hz for both local and remote consoles
- Provides a FPGA graphics processor for better image quality
- A mini USB port on the front panel serves as a Laptop USB Console (LUC) port
- Dual power supply for power backup



Front



Rear



RCMVGA101

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



Features

- Integration with ATEN CCVSR Video Session Recording Software
- Supports ATEN Access Control Box for on-site enabling / disabling of remote control privilege
- Supports customizable API Panel Array by system integrators to monitor all machines for operators
- Supports exclusive integrated RCM OCR API with various function for system integrators
- OSD title bar notification – instantly notifies users if any urgent event occurs
- High video resolution – up to 1920 x 1200 @ 60Hz for both local and remote consoles
- Provides a FPGA graphics processor for better image quality
- A mini USB port on the front panel serves as a Laptop USB Console (LUC) port
- Dual power supply for power backup



Front



Rear



KA7174

KVM Adapter Module with USB, PS/2, and RS-232 Local Console

Features

- Compatible with ATEN 2XRT-0015G KVM over IP Access Control Box to initiate local-only access and control to the servers
- Cat 5e / 6 cable connects the device and KVM switch
- Supports computers with PS/2 and USB keyboards and mice, controlling the system from these extended devices and monitor via local console
- Supports custom RS-232 touch panel from both local and remote sites
- Pushbutton operating mode selection for privileged console control with OSD tag notifications indicating denial of access to the local or remote users when configured as such
- Superior video quality – supports resolution up to 1920 x 1200 (reduced blanking)



Front



Rear



RCMA200SA

RCM Adapter Module with 60-pin and RS-232 Control for UF200SA Server

Features

- Designed for UF300 and UF200SA production line application
- With ATEN KA7174 and RCM series multi-port products (such as RCM816), the RCMA200SA can easily access from local console and over IP remote console
- Supports virtual keyboard for easy operation
- Firmware upgradable



Front



Rear



Secure KVM Switches



ATEN Secure KVM Switches are compliant with Common Criteria and NIAP Protection Profile (PSD PP v4.0) and specifically designed to enforce stringent desktop security by keeping sensitive assets isolated while providing advanced user data protection and flexible administrative security management features. They are suitable for deployment in any industry that needs to handle sensitive, confidential, or proprietary information, or implement multi-level security on separate networks, such as government and military agencies, healthcare providers, banking & finance institutions, and more.

Feature Comparison

	CS1182DPH4C	CS1184DPH4C	CS1182DPH4	CS1184DPH4	CS1142DPH4C	CS1144DPH4C	CS1142DPH4	CS1144DPH4
Number of Computers	2	4	2	4	2	4	2	4
Computer Interface	DisplayPort/HDMI, USB							
Console Interface	DisplayPort/HDMI, USB							
Number of Displays	Single Display				Dual Display			
Max. Resolution	Max. 5120 x 2880 @ 60 Hz							
CAC Reader	✓		N/A		✓		N/A	
Audio	Speaker							
Video DynaSync™	✓							

	CS1182DP4C	CS1184DP4C	CS1188DP4C	CS1182DP4	CS1184DP4	CS1188DP4
Number of Computers	2	4	8	2	4	8
Computer Interface	DisplayPort, USB					
Console Interface	DisplayPort, USB					
Number of Displays	Single Display					
Max. Resolution	Max. 3840 x 2160 @ 30 Hz (UHD)					
CAC Reader		✓			N/A	
Audio	Speaker					
Video DynaSync™	✓					

	CS1142DP4C	CS1144DP4C	CS1148DP4C	CS1142DP4	CS1144DP4	CS1148DP4
Number of Computers	2	4	8	2	4	8
Computer Interface	DisplayPort, USB					
Console Interface	DisplayPort, USB					
Number of Displays	Dual Display					
Max. Resolution	Max. 3840 x 2160 @ 30 Hz (UHD)					
CAC Reader	✓			N/A		
Audio	Speaker					
Video DynaSync™	✓					

	CS1182H4C	CS1184H4C	CS1182H4	CS1184H4	CS1142H4C	CS1144H4C	CS1142H4	CS1144H4
Number of Computers	2	4	2	4	2	4	2	4
Computer Interface	HDMI, USB							
Console Interface	HDMI, USB							
Number of Displays	Single Display				Dual Display			
Max. Resolution	Max. 3840 x 2160 @ 60 Hz (UHD)							
CAC Reader	✓		N/A		✓		N/A	
Audio	Speaker							
Video DynaSync™	✓							

	CS1182D4C	CS1184D4C	CS1188D4C	CS1182D4	CS1184D4	CS1188D4
Number of Computers	2	4	8	2	4	8
Computer Interface	DVI-I, USB					
Console Interface	DVI-I, USB					
Number of Displays	Single Display					
Max. Resolution	Max. 3840 x 2160 @ 30 Hz (UHD)*; DVI Dual Link: 2560 x 1600; DVI Single Link: 1920 x 1200; DVI-A: 2048 x 1536					
CAC Reader	✓			N/A		
Audio	Speaker					
Video DynaSync™	✓					

* DVI Secure KVM Switches support up to 3840 x 2160 @ 30 Hz video output on compatible HDMI-interfaced monitors/computers with ATEN DVI-to-HDMI KVM cables.

	CS1142D4C	CS1144D4C	CS1148D4C	CS1142D4	CS1144D4	CS1148D4
Number of Computers	2	4	8	2	4	8
Computer Interface	DVI-I, USB					
Console Interface	DVI-I, USB					
Number of Displays	Dual Display					
Max. Resolution	Max. 3840 x 2160 @ 30 Hz (UHD)*; DVI Dual Link: 2560 x 1600; DVI Single Link: 1920 x 1200; DVI-A: 2048 x 1536					
CAC Reader	✓			N/A		
Audio	Speaker					
Video DynaSync™	✓					

* DVI Secure KVM Switches support up to 3840 x 2160 @ 30 Hz video output on compatible HDMI-interfaced monitors/computers with ATEN DVI-to-HDMI KVM cables.

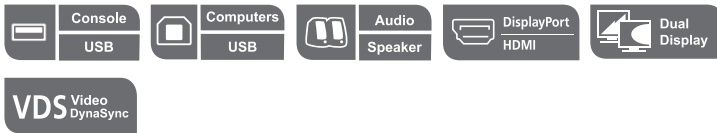
Secure KVM Accessories

Cable Kits, Mounting kits, and the Remote Port Selector specifically designed to work with Universal Secure KVM switches are not supplied in the package and require a separate purchase. Please visit our website for more details.

<https://www.aten.com/global/en/products/kvm/secure-kvm-switches/>

PSD PP v4.0 Secure KVM Switch Series

2/4-Port USB DisplayPort/HDMI Single/Dual Display
Universal Secure KVM Switch Series (In Evaluation)



NIAP Common Criteria Compliant

- Compliant with PSD PP v4.0 (Protection Profile for Peripheral Sharing Device, Version 4.0) security requirements

Multi-Layered Security

- Always-on chassis intrusion detection – renders the ATEN PSD PP v4.0 Universal Secure KVM Switch series inoperable when physical tampering is detected
- Tamper-evident labels – provides visual indication of any attempt to access the ATEN PSD PP v4.0 Universal Secure KVM Switch's internal components
- Non-reprogrammable firmware – prevents reprogramming the ATEN PSD PP v4.0 Universal Secure KVM Switch's firmware
- Restricted peripheral connectivity – non-authorized HID's (Human Interface Devices), video, or authentication device connections are rejected
- Strict audio filtration protects against audio leakage

Data Channel Isolation and Unidirectional Data Flow

- True data path isolation – data cannot be transferred between computers
- The ATEN PSD PP v4.0 Universal Secure KVM Switch controls and isolates data flow between the console devices and connected computers
- Unidirectional data flow between console devices and the selected computer is ensured

User Data Protection

- The ATEN PSD PP v4.0 Universal Secure KVM Switch's keyboard/mouse data is automatically deleted after transmission and automatically purged when the KVM port focus is switched

Security Management

- Supports administrative configuration of CAC Port¹ filtering to accept or reject specific USB authentication devices
- Supports administrative configuration of keyboard / mouse ports filtering to reject specific USB HID devices
- Provides administrative functions for authorized administrators to audit KVM log data

Features

- DisplayPort / HDMI combo connectors support DisplayPort and HDMI video interfaces (both PC and Console sides)
- Superior ultra high video quality – up to 5K (5120 x 2880 @ 60Hz)
- Port selection via pushbuttons / Remote Port Selector (RPS) only to enhance security²
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes resolutions when switching among different sources
- Configurable Port LED color and Port Name Labels – Easier identification between ports connected to different security classification levels.
- Supports enable/disable CAC function¹ by port
- LED indicators for peripheral filtering and KVM security status
- Rugged metal enclosure
- Supports analog audio (speaker only)³

Note:

- Not all models support CAC. Please visit our website for more details.
<https://www.aten.com/global/en/products/kvm/secure-kvm-switches/>
- The Remote Port Selector is not supplied in the package and requires a separate purchase.
- Only analog speaker data input is supported.

Front
CS1142DPH4



Rear
CS1142DPH4



Front
CS1144DPH4



Rear
CS1144DPH4



Front
CS1182DPH4C



Rear
CS1182DPH4C



Front
CS1184DPH4C



Rear
CS1184DPH4C



PSD PP v4.0 Secure KVM Switch Series

2/4/8-Port USB DVI / HDMI / DisplayPort
Single / Dual Display Secure KVM Switch Series



NIAP Common Criteria Compliant

- Compliant with PSD PP v4.0 (Protection Profile for Peripheral Sharing Device, Version 4.0) security requirements

Multi-Layered Security

- Always-on chassis intrusion detection – renders the ATEN PSD PP v4.0 Secure KVM Switch series inoperable when physical tampering is detected
- Tamper-evident labels – provides visual indication of any attempt to access the ATEN PSD PP v4.0 Secure KVM Switch's internal components
- Non-reprogrammable firmware – prevents reprogramming the ATEN PSD PP v4.0 Secure KVM Switch's firmware
- Restricted peripheral connectivity – non-authorized HIDs (Human Interface Devices), video, or authentication device connections are rejected
- Strict audio filtration protects against audio leakage

Data Channel Isolation and Unidirectional Data Flow

- True data path isolation – data cannot be transferred between computers
- The ATEN PSD PP v4.0 Secure KVM Switch controls and isolates data flow between the console devices and connected computers
- Unidirectional data flow between console devices and the selected computer is ensured

User Data Protection

- The ATEN PSD PP v4.0 Secure KVM Switch's keyboard/mouse data is automatically deleted after transmission and automatically purged when the KVM port focus is switched

Security Management

- Supports administrative configuration of CAC Port¹ filtering to accept or reject specific USB authentication devices
- Supports administrative configuration of keyboard / mouse ports filtering to reject specific USB HID devices
- Provides administrative functions for authorized administrators to audit KVM log data

Features

- Superior video quality – up to 4K (3840 x 2160 @ 60Hz)²
- Port selection via pushbuttons / Remote Port Selector (RPS) only to enhance security³
- Video DynaSync™ – exclusive ATEN technology eliminates boot-up display problems and optimizes resolutions when switching among different sources
- Supports enable/disable CAC function¹ by port
- LED indicators for peripheral filtering and KVM security status
- Rugged metal enclosure
- Built-in internal power
- Supports analog audio (speaker only)⁴

Note:

- Not all models support CAC. See spec table for more details.
- The HDMI Secure KVM Switch series supports console video output resolutions up to 3840 x 2160 @ 60 Hz.
The DisplayPort Secure KVM Switch series supports console video output resolutions up to 3840 x 2160 @ 30 Hz.
The DVI Secure KVM Switch series offers up to 3840 x 2160 @ 30 Hz video output on compatible HDMI-interfaced monitors / computers with ATEN DVI-to-HDMI KVM cables.
- The Remote Port Selector is not supplied in the package and requires a separate purchase.
- Only analog speaker data input is supported.

Front
CS1184DP4C



Rear
CS1184DP4C



Front
CS1142H4



Rear
CS1142H4



Front
CS1188D4C



Rear
CS1188D4C



*CAC and Non-CAC models are available.

Serial Console Servers



ATEN SN11xxCO Series, SN01xxCO Series, and SN91xxCO Series serial console server provides IT and network administrators secure, out-of-band access to serial devices located at data centers or remote sites (such as network switches allowing console operation using RS-232 and USB console). With dual power / SFP in the SN11xxCO models, dual power / LAN in SN01xxCO models, and single power / LAN in the SN91xxCO models, all of them integrate cutting edge technologies to provide convenient installation, secure serial device access, easy management and comprehensive control for data centers. All series of serial console server features Cisco pin-outs and auto-sensing DTE / DCE function, providing a direct connection to Cisco network switches (and other compatible devices) without rollover cables for more time-saving IT infrastructure deployment.

• Serial Console Management

All series of serial console server features Cisco pin-outs and auto-sensing DTE / DCE function, providing a direct connection to Cisco network switches (and other compatible devices) without rollover cables for more time-saving IT infrastructure deployment. In addition, it support online detection of connected serial devices (including terminal blocks) for device status monitoring. An e-mail notification will be sent to the administrator when connected devices are offline. Available in 8-, 16-, 32- and 48-port models, the SN11xxCO / SN01xxCO serial console servers offer both in-band and out-of-band (OOB) remote serial console and USB console access to servers and network devices via a direct Telnet / SSH client, Java viewer and WebClient. The SN11xxCO Series supports environmental monitoring through its sensor ports, remaining vigilant around the clock to detect any abnormal conditions. It offers audited and controlled door access using a cabinet lock through its relay port, enhancing security measures.

• System Accessibility and Availability

ATEN SN11xxCO Series (SN1116CO / SN1132CO / SN1148CO), SN01xxCO Series (SN0108CO / SN0116CO / SN0132CO / SN0148CO), and SN91xxCO Series (SN9108CO / SN9116CO) serial console server provides IT and network administrators secure, out-of-band access to serial devices located at data centers or remote sites (such as network switches allowing console operation using RS-232 and USB console). With dual power / SFP in the SN11xxCO models, dual power / LAN in SN01xxCO models, and single power / LAN in the SN91xxCO models, all of them integrate cutting edge technologies to provide convenient installation, secure serial device access, easy management and comprehensive control for data centers.

• Security

Implemented with various security technologies such as TLS 1.2 data encryption, RSA 2048-bit certificates,configurable user permissions for port access and control, local / remote / third-party authentication and authorization, IP / MAC address filter, and FIPS 140-2 certified cryptography, the SN11xxCO serial console servers assure administrators the security for easy and high-level access. For instance, access rights and privileges can be applied to 16 / 32 / 48 serial ports individually. Data encryption is provided to ensure that information and control are always protected. Logging and alerting of system events help to quickly resolve issues and mitigate risks. While secured by the above examples, the consolidated password authentication simplifies management.

• System Management

The SN series can be integrated into ATEN's CC2000 Centralized Management Software and ATEN's CCVSR Control Center Video Session Recording Software. The serial console servers are used to connect serial devices to an Ethernet network to allow access and control of demanding applications that manage industrial control, data acquisition, environment monitoring, remote facility operations and equipment management. Multiple operational modes are available to administrators including Console Management, Console Management Direct, Real COM Port, TCP Server / Client, UDP Server / Client, and Virtual Modem.

Feature Comparison

	SN11xxCO Series	SN01xxCO Series	SN91xxCO Series
Number of Serial Ports	16/32/48	8/16/32/48	8/16
Ethernet Port	Dual SFP	Dual LAN	Single LAN
Power Supply	Dual AC / Dual DC	Dual AC / Dual DC	Single AC
Local Console Port	2 (LUC, RJ-45)	2 (LUC, RJ-45)	N/A
USB Port	4	3	N/A
Sensor Port	3	N/A	N/A
Relay Port	1	N/A	N/A
Modem Port	N/A	1	N/A
Operating Temperature	0 - 55°C	0 - 40°C	0 - 40°C

SN116CO / SN1132CO / SN1148CO

16/32/48-Port Serial Console Server with Dual Power / SFP

Features

- Secure in-band, out-of-band remote serial console and USB console¹ access
- Front USB ports for storage, USB console¹, and UC232B / UC232BF connection
- Laptop USB Console (LUC) port for local console access via laptop
- Dual Ethernet ports allow fail control or dual IP address access²
- Dual power supply³
- Support sensor ports for environmental monitoring⁴
- Relay port supports cabinet door access control
- Auto-sensing DTE / DCE feature supports a direct connection to Cisco network switches (and other compatible devices) without rollover cables for more convenient IT infrastructure deployment
- Online / Offline detection of connected serial devices (including terminal blocks) – automatically send event notifications when the devices are offline (e.g. power failure) for device status monitoring
- Serial operation modes – Console Management, Console Management Direct, Real COM Port, TCP Server / Client, UDP Server / Client, and Virtual Modem
- Easy port access via selectable ActiveX, Java serial viewer or WebClient
- Integrates into CC2000 software for centralized data center management and CCVSR software for user session recording

Note:

1. Compatible models: Cisco Catalyst 2960-C series
2. Fiber (2A-136G, 2A-137G) or copper (2A-143G) modules are sold separately. Please order with SN devices together.
3. DC power is available for the SN1116COD / SN1132COD / SN1148COD models upon request.
4. This is achieved using ATEN sensors.

SN1148CO



Front



Rear



SN0108CO / SN0116CO / SN0132CO / SN0148CO

8/16/32/48-Port Serial Console Server with Dual Power / LAN



Features

- Secure in-band, out-of-band remote serial console and USB console¹ access
- Front USB ports for storage, USB console¹, and UC232B / UC232BF connection
- Laptop USB Console (LUC) port for local console access via laptop
- Dual Ethernet ports allow fail control or dual IP address access
- Dual power supply²
- Auto-sensing DTE / DCE feature supports a direct connection to Cisco network switches (and other compatible devices) without rollover cables for more convenient IT infrastructure deployment
- Online / Offline detection of connected serial devices (including terminal blocks) – automatically send event notifications when the devices are offline (e.g. power failure) for device status monitoring
- Serial operation modes – Console Management, Console Management Direct, Real COM Port, TCP Server / Client, UDP Server / Client, and Virtual Modem
- Easy port access via selectable ActiveX, Java serial viewer or WebClient
- Integrates into CC2000 software for centralized data center management and CCVSR software for user session recording

Note:

1. Compatible models: Cisco Catalyst 2960-C series
2. DC power is available for the SN0108COD / SN0116COD / SN0132COD / SN0148COD models upon request.

SN0148CO



Front



Rear



SN9108CO / SN9116CO

8/16-Port Serial Console Server with Single Power / LAN



Features

- Secure in-band and out-of-band remote serial console access
- Versatile serial operating modes – Console Management, Console Management Direct, Real COM Port, TCP Server/Client, UDP Server/Client, and Virtual Modem
- Auto-sensing DTE/DCE feature supports a direct connection to Cisco network switches (and other compatible devices) without rollover cables for more convenient IT infrastructure deployment
- Online/Offline detection of connected serial devices (including terminal blocks) – automatically send event notifications when the devices are offline (e.g. power failure) for device status monitoring
- Easy port access via selectable ActiveX, Java serial viewer or WebClient
- Integrates into CC2000 software for centralized data center management and CCVSR software for user session recording

SN9116CO



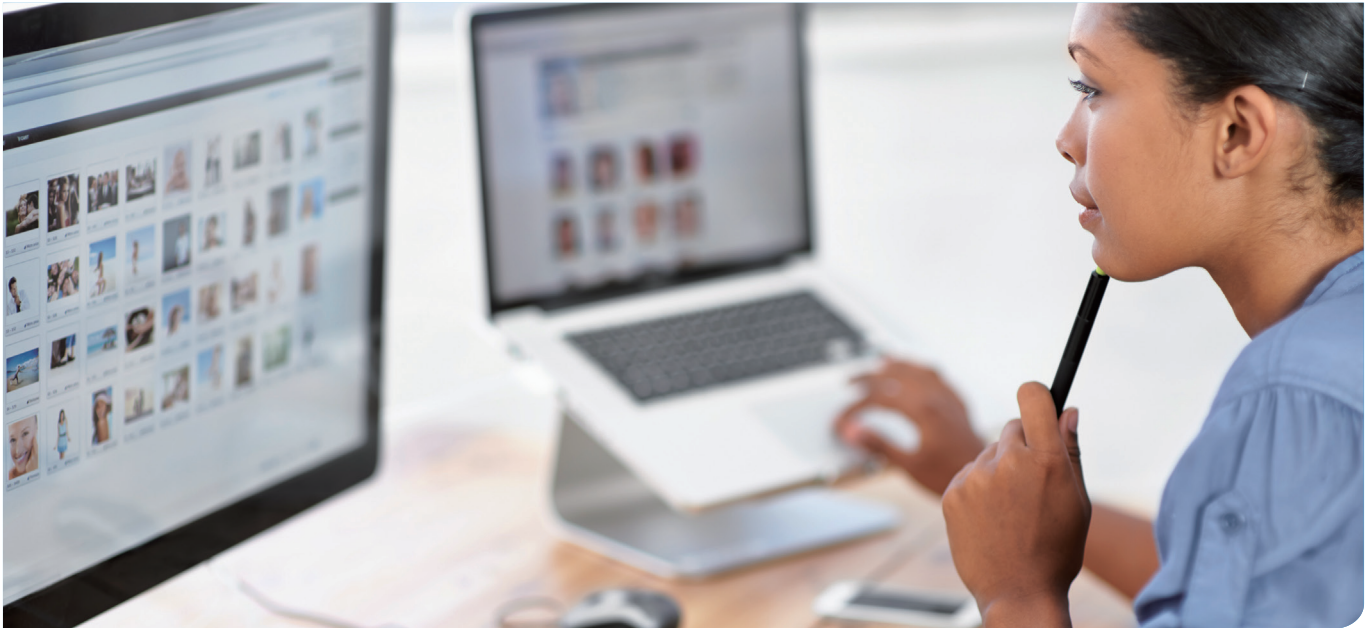
Front



Rear



USB Solutions



ATEN offers a range of 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, such as external storage drives, optical drives, printers, and more.

- **Video Capture**

Video capture hardware and software that bring video and audio signals into any popular platform, capture, streaming, or conferencing software and empower creators to produce high-quality, professional video content.

- **Docks and Switches**

ATEN's range of docking stations offer Thunderbolt and USB-C support and expand connectivity with the latest USB standard, HDMI, VGA, DisplayPort, Ethernet, audio, and USB power delivery. With these docking stations, you can turn your laptop into a multitasking workstation and spend more time working, playing and less time worrying about setup.

ATEN USB-C KVM dock switches allow multiple computers to share the use of USB peripherals with one simple click, while USB sharing switches allow 2 to 4 computers to share the use of USB peripheral devices on a one-at-a-time basis.

- **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.

- **Extenders**

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 2.0 to USB 3.2 Gen 1 standard. They also extend the distance between your computer and USB peripheral over 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.

"USB Type-C®" and "USB-C®" are registered trademarks of USB Implementers Forum.

Capture



Video capture hardware and software that bring video and audio signals into any popular platform, capture, streaming , or conferencing software and empower creators to produce high-quality, professional video content.

- **All-in-one AV Mixer**

The powerful all-in-one AV mixer integrates a 1080p video capture, video switch, stream broadcaster, video converter, video splitter, and audio mixer, while the accompanying innovative app enables creators to capture, stream, and switch between video inputs over the internet and instantly take the video production and livestreaming to next level.

- **Video Capture**

ATEN HDMI UVC Video Capture devices allow you to send unencrypted HDMI video to your USB-C or Thunderbolt 3 laptop for video editing or livestreaming with various popular third-party video-editing software/platforms. It's compliant with the latest USB 3.2 Type-C specification and designed to plug & play.

- **Control App**

The OnAir app is specifically designed for live video and audio creators who are struggling with complex streaming software – the interface is intuitive and simple, but with everything that you need.

- **AI Audio Mixer**

The industry's first AI-optimized audio mixer for podcasting as it adopts SmartEQ technology to deliver acoustic enhancement for an optimized voice recording experience.

Feature Comparison

	UC8000	UC9040
	Podcast AI Audio Mixer I MicLIVE™ 6-CH	StreamLIVE™ PRO All-in-one Multi-channel AV Mixer
Output Interface	USB-C, 3.5mm TRRS, 3.5mm TRS	HDMI, USB Type-A, LAN, 3.5mm
Input Interface	USB-C, XLR, 3.5mm TRRS	HDMI, 6.3mm
Videoe Seamless Switch	N/A	✓
USB-C Power Delivery	N/A	✓
RS-232 Control	N/A	N/A
Audio Mixer	✓	✓
Video Recording	N/A	N/A
Video Capture	N/A	✓
Livestreaming	N/A	✓
4K Input	N/A	✓
Video Mixer	N/A	✓
Multi Camera Production	N/A	✓
Scene-Based Switching	N/A	✓
Direct Streaming	N/A	✓
Direct Recording	N/A	✓
Transition Effects	N/A	✓
Text or Graphic Overlay	N/A	✓
Chroma Key	N/A	N/A
Stream Capture	N/A	✓
AI Smart-EQ	✓	N/A
Voice Effects	✓	N/A
Jingle Pads	✓	N/A
Auto-Ducking	✓	N/A
UAC Input Support	✓	N/A
Audio Matrix	✓	✓
UVC Input Resolution	N/A	N/A
USB Standard	2.0 High Speed	3.2 Gen 1
HDMI Input Port	N/A	4
UVC Video Output Resolution	N/A	N/A
Max. Video Input Resolution	N/A	1080p60, 4K @ 60 Hz
PGM HDMI Output Resolution	N/A	1080p60
Audio Sampling	24bit/96kHz	N/A
Software Compatibility	Streaming and Conferencing	Streaming and Conferencing
Display Mode	N/A	PiP, PbP, Split
Control Device Type	PC	Tablet, PC
Wireless Control	N/A	LAN Network
Transition Effects	N/A	8
App Control	OnAir Audio	OnAir
APP OS Support	Windows 10	Android, iPadOS, Windows 10, Mac OS X, ChromeOS
Hardware Platform Support	Windows, Mac	N/A
Applicable Skill Level	Beginner	Professional

	UC3430	UC3310	UC3022
	CAMLIVE™ PRO 4K 4-Input HDMI to USB Video Switcher	CAMLIVE MX UVC Camera Seamless Matrix	CAMLIVE™ PRO (Dual HDMI to USB-C UVC Video Capture)
Output Interface	HDMI, USB-C, 3.5mm TRS	HDMI, USB Type-B	HDMI, USB Type-B
Input Interface	HDMI, 6.3mm TRS	USB-C, USB Type-A	HDMI, RCA, XLR
Video Seamless Switch	✓	✓	✓
USB-C Power Delivery	N/A	N/A	N/A
RS-232 Control	N/A	✓	N/A
Audio Mixer	✓	N/A	✓
Video Recording	N/A	N/A	N/A
Video Capture	✓	✓	✓
Livestreaming	N/A	N/A	N/A
4K Input	✓	✓	✓
Video Mixer	✓	N/A	✓
Multi Camera Production	✓	✓	✓
Scene-Based Switching	✓	N/A	✓
Direct Streaming	N/A	N/A	N/A
Direct Recording	N/A	N/A	N/A
Transition Effects	✓	N/A	✓
Text or Graphic Overlay	✓	N/A	N/A
Chroma Key	✓	N/A	✓
Stream Capture	N/A	N/A	N/A
AI Smart-EQ	N/A	N/A	N/A
Voice Effects	N/A	N/A	N/A
Jingle Pads	N/A	N/A	N/A
Auto-Ducking	N/A	N/A	N/A
UAC Input Support	N/A	✓	N/A
Audio Matrix	✓	✓	✓
UVC Input Resolution	4096 x 2160@60Hz	4096 x 2160@30Hz	4096 x 2160@30Hz
USB Standard	3.2 Gen 1	3.2 Gen 1	3.2 Gen 1
HDMI Input Port	4	N/A	2
UVC Video Output Resolution	4K @ 30 Hz (PGM)	4K @ 30 Hz (MJPEG)	1080P @ 60 Hz (PGM)
Max. Video Input Resolution	4K @ 60 Hz	4K @ 30 Hz	4K @ 30 Hz
PGM HDMI Output Resolution	4K @ 60 Hz (HDCP off)	4K @ 30 Hz (HDCP off)	1080p60 (HDCP off)
Audio Sampling	16bit/48kHz, 16bit/44.1kHz	16bit/48kHz	16bit/48kHz, 16bit/44.1kHz
Software Compatibility	Streaming and Conferencing	Streaming and Conferencing	Streaming and Conferencing
Display Mode	PiP, PbP, Split	N/A	PiP, PbP, Split
Control Device Type	PC	PC	Smart Phone
Wireless Control	N/A	N/A	Bluetooth
Transition Effects	8	N/A	N/A
App Control	OnAir Lite (Windows)	N/A	OnAir Lite (Mobile)
APP OS Support	Windows 10	N/A	Android, iOS
Hardware Platform Support	Windows, Mac	Windows, Mac	Windows, Mac
Applicable Skill Level	Professional	Professional	Experienced

MicLIVE™ 6-CH (UC8000)

Podcast AI Audio Mixer



USB-C	OS Support Win, Mac	Video Mixer	Sample Rate 24 bit / 96 kHz
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Features

- All-in-one design simplifies audio mixing workflow for podcasting – offers up to 6-channel audio inputs, DSP and AD / DA converter, and adds audio up to 24-bit / 96 kHz to any USB-C-enabled laptop or tablet
- The industry's first AI-optimized audio mixer – enhances microphone audio quality with enhanced acoustic models, SmartEQ, so anyone can have a real-time, high-quality recording
- Jingle pads save up to 8 sound samples that can be customized from audio sources from a computer, microphone, and other audio inputs for a professional radio programming experience
- Contains 24 Voice FX programs, including 6 adjustments in reverb effect, 6 in pitch effect, and 12 in gender effect



Rear



StreamLIVE™ PRO (UC9040)

All-in-one Multi-Channel AV Mixer



OS Support iPad, iPad pro	USB 3.2 Gen 1	Video Capture	Video Switch	Video Mixer
Encoder				

Features

- All-in-one design – integrates 1080p video capture, video recorder, video switch, streaming encoder, video converter, video splitter, and audio mixer
- Professional-quality live streaming everywhere – compatible with every major platform and can livestream to two platforms at the same time
- Compact mixer control panel – switches & mixes among multiple AV sources with the easily identifiable luminous keys
- Intuitive, powerful ATEN OnAir app – presets up to 8 scenes with custom video layout, preview and full screen program monitoring, real-time editing, transitions in stunning DVE, PbP / PiP visual effects, and graphic and text overlays for a professional finish
- Supports ATEN Stream to USB Capture software – converts streams from multiple devices into USB webcam signals for delivering remote presentations on Skype, Zoom, MS Teams, OBS, etc.
- Supports ATEN OnAir Cam app – captures iPhone / iPad camera feed and turns it into a clean 1080p @ 60 Hz HDMI source without on screen icons or overlays

UC9040



UC9040 Rear



CAMLIVE™ PRO (UC3430)

4K 4-Input HDMI to USB Video Switcher



Features

- Captures 4 channels of 4K @ 60 HDMI, mixes and switches the streams while providing audio mixer functionalities and seamless transition for pro-level broadcasting
- Multiple output options:
 - HDMI PGM / Loop-through at 4K @ 60 for preview and monitoring purposes
 - USB-C output 4K @ 30 for live broadcast on the Internet
- Versatile control methods via the front panel pushbuttons, RJ-45 port for serial control via ATEN VK Control System, and ATEN OnAir Lite app
- ATEN OnAir Lite app – users can remotely control device settings in real-time, including multiple AV source switching / mixing, content cropping / resizing, layout options (full screen / PiP / PbP / PoP), transitions, Chroma Key, and logo adding



Rear



CAMLIVE™ MX (UC3310)

UVC Camera Seamless Matrix



Features

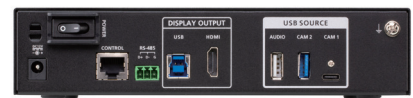
- Supports manually, seamless switch of up to 2 USB videos at 3840 x 2160p @60 Hz to be converted into HDMI signals and captured and output as UVC video simultaneously
- Supports USB audio input / output, switching or mixing with current USB video sources
- Converted UVC video output stream is compatible with popular streaming software, such as Microsoft Teams, Zooms, OBS, Xsplit, YouTube, Facebook, GoToWebinar, and Twitch, for live streaming
- Supports external PTZ controller and PTZ to ePTZ protocol conversion via VISCA
- Supports ATEN VK system via RS-232 connection



Front



Rear



CAMLIVE™ PRO (UC3022)

Dual HDMI to USB-C UVC Video Capture



Features

- Mix and capture two non-HDCP 4K live videos at 1080p UVC format on PC or mobile device via USB 3.x interface with seamless transition
- Intuitive Android / iOS App control – set up your camera gear and direct your show from anywhere
- Supports real-time HDMI program video preview
- Easily identifiable chroma keys – allows users to appear anywhere they want by changing the background



Rear






Docks and Switches



ATEN provides a full range of docking stations, KVM dock switches, and peripheral switches that are designed to expand connectivity, share displays and USB devices between different computers, creating simplified and productive workspaces for any desktop environment.

To utilize the full power of your docking station, we suggest your laptop meets the following system requirements:

Windows USB-C enabled Laptop			Multiplatform Support
<ol style="list-style-type: none"> 1. Windows® 10 (32-bit / 64-bit) and above. 2. Intel 7th-Generation Core Processor and above. 3. For video output to work through a USB-C port, it must support DP Alt Mode. To identify the right products, look for the below logos. 			<ol style="list-style-type: none"> 1. MacBook 2015 and later 2. MacBook Pro 2016 and later 3. Mac OS X 10.12 and above
<ul style="list-style-type: none"> • SuperSpeed USB Trident Logo + DisplayPort Logo 	<ul style="list-style-type: none"> • SuperSpeed USB Power Delivery Trident Logo + DisplayPort Logo 	<ul style="list-style-type: none"> • SuperSpeed USB 10 Gbps Power Delivery Trident Logo + DisplayPort Logo 	
			

Feature Comparison

	UH3240	UH3238	UH3235	UH3233	UH284	UH275
Docks	11-in-1 USB-C Multiport Dock with Power Pass-Through	USB-C Travel Dock with Power Pass-Through	USB-C 4K Ultra Mini Dock with Power Pass-Through	USB-C Dual-HDMI Mini Dock	4-Port USB 2.0 Hub with Magnetic	4-Port USB 2.0 Hub
Audio	Speaker, Microphone	Speaker, Microphone	N/A	N/A	N/A	N/A
Output Interface	HDMI, Audio, USB-C, USB 3 Gen1, SD Card, Micro SD Card	HDMI, USB, USB-C, Audio	HDMI, USB 3 Gen1, USB 2	HDMI, USB 3 Gen1	USB Type-A	USB Type-A
Input Interface	USB-C	USB-C	USB-C	USB-C	USB Mini Type-B	USB Type-A
Dual View	✓	N/A	N/A	✓	N/A	N/A
Hot-pluggable	✓	✓	✓	✓	✓	✓
Ethernet	✓	N/A	N/A	N/A	N/A	N/A
USB-C Power Delivery	✓	✓	✓	N/A	N/A	N/A
Bus - Powered	✓	✓	✓	✓	✓	✓
Multi-Platform Support	Windows, Mac, iOS, iPadOS, Android	Windows, Mac, iPadOS, Android	Windows, Mac, iPadOS, Android, USB-C Game Console	Windows, Mac, iPadOS, Android	Windows, Mac	Windows, Mac
Number of Device Port	11	5	4	3	4	4
Max. Resolution	8K 7680 x 4320, 4K 3840 x 2160 @ 120 Hz (Single output)	3840 x 2160 @ 60Hz (Single output)	3840 x 2160 @ 30Hz (Single output)	3840 x 2160 @ 30Hz (Single output)	N/A	N/A
USB Standard	3.2 Gen 1	3.2 Gen 1	3.2 Gen 1	3.2 Gen 1	2.0 High Speed	2.0 High Speed

	US3384i	US3344i	US3342	US3344	US3324	US434
Switches	8 x 4 USB 3.2 Gen1 Sharing Switch	4 x 4 USB 3.2 Gen 1 Industrial Hub Switch	2-Port USB-C Gen 2 Sharing Switch with Power Pass-through	4 x 4 USB 3.2 Gen1 Peripheral Sharing Switch	2 x 4 USB 3.2 Gen1 Peripheral Sharing Switch	4 x 4 USB 3.2 Gen1 Peripheral Sharing Switch
Output Interface	USB Type-A	USB Type-A	USB Type-C, USB Type-A	USB Type-A	USB Type-A	USB Type-A
Input Interface	USB Type-B	USB Type-B	USB Type-C	USB Type-B	USB Type-B	USB Type-B
Hot-pluggable	✓	✓	✓	✓	✓	✓
USB-C Power Delivery	N/A	N/A	✓	N/A	N/A	N/A
Bus - Powered	N/A	N/A	✓	✓	✓	✓
Data Sharing	N/A	N/A	✓	N/A	N/A	N/A
Number of Device Port	4	4	4	4	4	4
USB Standard	3.2 Gen 1	3.2 Gen 1	3.2 Gen2	3.2 Gen 1	3.2 Gen 1	3.2 Gen 1

	US234	US424	US224	US421A	US221A
Switches	2 x 4 USB 3.2 Gen1 Peripheral Sharing Switch	4 x 4 USB 2.0 Peripheral Sharing Switch	2 x 4 USB 2.0 Peripheral Sharing Switch	4-Port USB 2.0 Peripheral Switch	2-Port USB 2.0 Peripheral Switch
Output Interface	USB Type-A	USB Type-A	USB Type-A	USB Type-A	USB Type-A
Input Interface	USB Type-B	USB Type-A	USB Type-A	USB Type-B	USB Type-B
Hot-pluggable	✓	✓	✓	✓	✓
USB-C Power Delivery	N/A	N/A	N/A	N/A	N/A
Bus - Powered	✓	✓	✓	✓	✓
Data Sharing	N/A	N/A	N/A	N/A	N/A
Number of Device Port	4	4	4	1	1
USB Standard	3.2 Gen 1	2.0 High Speed	2.0 High Speed	2.0 High Speed	2.0 High Speed

UH3240

11-in-1 USB-C Multiport Dock with Power Pass-Through



Features

- A multiport dock with 11 essential ports – 2x HDMI, 2x USB-C (1 for power delivery & 1 for data transmission), 3x USB Type-A, 1x SD, 1x Micro SD, 1x Ethernet, and 1x audio jack
- Supports up to 8K 7680 x 4320 for single video output or 4K for dual video outputs
- Supports up to 4K @ 120 Hz high refresh rates
- Supports USB PD 3.0 for charging up to 100W via USB-C PD power adapter – supports PD profile specifications of 5V, 9V, 12V, 15V, and 20V
- USB 3.2 Gen 1 compliant with data transfer rates up to 5 Gbps
- Supports DP 1.4 Alt mode
- Apple M1 chip compatible
- Works with all major operating systems - Windows, macOS X, iOS, iPadOS, and Android



UH3238

USB-C Travel Dock with Power Pass-Through



Features

- 5-in-1 travel dock that includes 1x audio port, 2x USB Type-A ports, 1x HDMI port, and 1x USB-C DC in port
- Supports USB PD 3.0 for charging up to 92W via USB-C PD power adapter – power profiles include 5V, 9V, 15V, 20V
- Supports DP 1.4 Alt mode with up to 4K (3840 x 2160) @ 60 Hz for superior video output; HDMI (3D, Deep Color, 4K); HDCP 2.2 compliant
- Compatible with Apple M1 chip devices
- Compact, lightweight design for mobile workstations



UH3235

USB-C 4K Ultra Mini Dock with Power Pass-Through



Features

- A multifunctional USB-C mini dock for laptops, smartphones and USB-C Game Consoles
- Supports USB Power Delivery 2.0 for charging up to 60W (additional USB-C PD power adapter needed)
- Supports 4K resolutions – up to 3840 x 2160 @ 30 Hz
- Compatible with Apple M1 chip devices
- Supports Samsung DeX mode or Huawei Desktop mode



UH3233

USB-C Dual-HDMI Mini Dock



HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

Dual View
1080P

USB
USB 3.2
Gen 1

Features

- Connects USB-C or Thunderbolt™ 3 computer to two HDMI monitors for dual-display video output
- Supports 4K resolutions via single display output
- Supports dual-display video output up to 1920 x 1080 simultaneously
- Plug and Play – no drivers or external power adapter needed



Rear



UH275 / UH284

4-Port USB 2.0 Hub

4-Port USB 2.0 Hub with Magnetic

USB
USB 2.0

Bus-Powered

Features

- Provides 4 additional USB 2.0 ports to existing USB systems
- 4x independent, fully functional, 480 Mbps, downstream ports
- Fully compliant with USB 2.0 specifications
- Overcurrent protection
- Built in Magnet Pad for quick mount and easy movement (UH284)

UH275



UH284



US3384i

8 x 4 USB 3.2 Gen1 Sharing Switch

USB
USB 3.2
Gen 1

RS-232 / RS-485
Functionality

Terminal Block
Data / DC Power

Features

- Allows sharing of up to 4 USB 3.2 devices among 8 PCs
- Versatile port selection methods – front panel pushbutton, RS-232/RS-485 serial commands, and external remote port selector*
- Power on Detection - Automatically switches the PC focus to the last plugged-in/powered-on host device
- Supports DC 9 - 24V power input through terminal block
- Supports USB BC 1.2

Note:

*The remote port selector is sold separately, please contact your ATEN dealer for product information.



Front



Rear



US3344i

4 x 4 USB 3.2 Gen 1 Industrial Hub Switch



Features

- Allows sharing of up to 4 USB 3.2 devices among 4 PCs
- Versatile port selection methods – external remote port selector or RS-422/RS-485 serial commands through 5-pin terminal block
- Supports DC 9-24V power input through terminal block
- Supports USB BC 1.2



Front



Rear



US3342

2-Port USB-C Gen 2 Sharing Switch with Power Pass-Through



Features

- Enables two USB-C computers to share 4 USB 3.2 Gen 2 peripheral devices with data transfer rates up to 10Gbps
- Supports USB-C Power Delivery 3.0 for laptop charging up to 85W (Additional USB-C Power Adapter is needed)*
- BEZEL X – Enables file transfer function and mice control cross Windows and Mac
- Compatible with Apple M1 chip devices

* For device charging, a Limited Power Source (LPS) certified single port USB-C PD Power Adapter over 65Watt is recommended. The minimum system power requirement for basic USB functions should be at least 5V, 3



Front



Rear



US234 / US434 / US3324 / US3344

2 x 4 / 4 x 4 USB 3.2 Gen 1 Peripheral Sharing Switch



Features

- Enables 2 (US234 / US3324) / 4 (US434 / US3344) computers to share 4 USB 3.2 Gen 1 devices
- Simple port selection via remote port selector for convenient switch placement
- USB 3.2 Gen 1 compliant, supporting data transfer rates of up to 5 Gbps
- Plug and Play – no drivers or external power adapter needed
- Multiplatform support – Windows, Linux, and Mac

US234 / US434 / US3324 / US3344 Front



US234 / US3324 Rear



US434 / US3344 Rear



US224 / US424

2 x 4 / 4 x 4 USB 2.0 Peripheral Sharing Switch



Features

- 4 built in USB ports – 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 two peripheral devices
- Simple port selection via remote port selector for convenient switch placement
- Non-powered (supports optional USB power adapter)

US224



US221A / US421A

2/4-Port USB 2.0 Peripheral Switch



Features

- Enables 2 / 4 computers to share a single USB peripheral device
- Simple port selection via pushbuttons, configuration utility, or Auto Switch function
- Auto Switch Function - no need for print server
- Buzzer indicates switching between computers

US221A



US421A



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.

Feature Comparison

	UC3238	UC3008A1	UC3002A	UC485	UC232C	UC232BF
Converters	2.7m USB-C to 4K HDMI Converter	USB-C to 4K HDMI Adapter	USB-C to VGA Adapter	USB to RS-422/485 Adapter (1.2 m)	USB-C to RS-232 Adapter (45 cm)	USB to RJ-45 (RS-232) Console Adapter (FTDI/1.2 m)
Number of Device Port	1	1	1	1	1	1
Input Interface	USB Type-C	USB Type-C	USB Type-C	USB Type-A	USB Type-C	USB Type-A
Output Interface	HDMI	HDMI	VGA	RS-485,RS-422	RS-232	RS-232, RJ-45
Legacy OS	N/A	N/A	N/A	N/A	N/A	✓
Cable Length	2.7 m	N/A	N/A	1.2 m	0.45 m	1.2 m
Max. Resolution	3840 x 2160 @ 60Hz (4:2:0)	4096 x 2160@60Hz	1920 x 1200	N/A	N/A	N/A
USB Standard	3.2 Gen 1	3.2 Gen 1	3.2 Gen 1	2.0 High Speed	2.0 High Speed	2.0 High Speed

	UC232A	UC232A1	UC232AF	UC2324	UC1284B
Converters	USB to RS-232 Adapter (35 cm)	USB to RS-232 Adapter (1 m)	USB to RS-232 Adapter (FTDI/1.2 m)	4-Port USB to RS-232 Hub	USB to IEEE1284 Printer Adapter (1.8m)
Number of Device Port	1	1	1	4	1
Input Interface	USB Type-A	USB Type-A	USB Type-A	USB Type-B	USB Type-A
Output Interface	RS-232	RS-232	RS-232	RS-232	Parallel
Legacy OS	N/A	N/A	✓	N/A	N/A
Cable Length	0.35 m	1 m	1.2 m	N/A	1.8 m
Max. Resolution	N/A	N/A	N/A	N/A	N/A
USB Standard	2.0 High Speed	2.0 High Speed	2.0 High Speed	2.0 Full Speed	2.0 Full Speed

UC3238

2.7 m USB-C to 4K HDMI Converter



Features

- Connects a USB-C enabled laptop or Smartphone which utilizes "DP Alt Mode" functionality to an HDMI compatible display using a single cable
- Supports resolutions up to 4K @ 60Hz (3840 x 2160 @ 60Hz)
- Supports a long-distance connectivity of up to 2.7 m
- Works with all major operating systems: Windows®, OS X®, and Android



UC3008A1

USB-C to 4K HDMI Adapter



Features

- Transfers high-quality video from a USB-C enabled laptop or smartphone to a HDMI 4K @ 60Hz (4096 x 2160 @ 60Hz) display, TV or projector
- Premium casing can resist signal interference during video transmission and heat insulation
- Compact and lightweight design
- Works with all major operating systems: Windows®, OS X®, iPad Pro, and Android



UC3002A

USB-C to VGA Adapter



Features

- Transfers high-quality videos from a USB-C enabled laptop or smartphone to a 1920 x 1200 @ 60Hz VGA display or projector
- Premium casing can resist signal interference during video transmission and heat insulation
- Compact and lightweight design
- Works with all major operating systems: Windows®, OS X®, iPad Pro 3rd gen, and Android



UC485

USB to RS-422/485 Adapter (1.2 m)



Features

- Converts a USB port to a Legacy RS-422 or RS-485 COM port
- Fast COM Port Transmission – up to 921.6 Kbps
- DB-9 female to terminal block adapter included for easy wiring
- Supports Terminal / ECHO mode by mode selector



UC232C

USB-C to RS-232 Adapter (45 cm)



Features

- Supports RS-232 serial interface
- Excellent anti-electromagnetic interference (anti-EMI) capability for stable transmission performance
- Full compliance with USB specification
- Supports up to 921.6 Kbps data transfer rates



UC232BF

USB to RJ-45 (RS-232) Console Adapter (FTDI/1.2 m)



Features

- Converts a USB port to RJ-45 Console port (RS-232)
- Adopts FTDI chip for enhanced device compatibility
- Supports straight RJ-45 cables; no need to use Rolled RJ-45 cables for connecting Networking Routers / modems / network switches for configuration
- Proven performance in anti-electromagnetic interference (anti-EMI) capability for stable transmission performance



UC232A / UC232A1 / UC232AF

USB to RS-232 Adapter (35 cm) / USB to RS-232 Adapter (1 m) /
USB to RS-232 Adapter (FTDI/1.2 m)



Features

- Supports RS-232 serial interface
- Adopts FTDI chip for enhanced device compatibility (UC232AF only)
- Proven performance in anti-electromagnetic interference (anti-EMI) capability for stable transmission performance
- Full compliance with USB specifications
- A trustworthy connectivity solution recommended and adopted by leading enterprises worldwide

UC232A



UC232A1



UC232AF



UC2324

4-Port USB to RS-232 Hub



Features

- An easy way to add 4 RS-232 serial ports
- Fully compliant with USB 1.1; USB 2.0 compatible
- Supports automatic handshake mode
- Up to 115.2 Kbps data transfer rate each serial port



Front



Rear

UC1284B

USB to IEEE1284 Printer Adapter (1.8 m)



Features

- 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
- Max. throughput: 1.2 Mb/s/sec (ECP Mode)



Extenders

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 2.0 to USB 3.2 Gen 1 standard. They also extend the distance between your computer and USB peripheral over 100 m.

Feature Comparison

	UE332C	UE331C	UE3315A	UE3310	UE350A	UE250	UE2120H	UE2120
Extenders	20 m USB 3.2 Gen1 Extender Cable	10 m USB 3.2 Gen1 Extender Cable	15 m USB3.2 Gen1 Extender Cable	10 m USB 3.2 Gen1 Extender Cable	5 m USB 3.2 Gen 1 Extender Cable	5 m USB 2.0 Extender Cable (Daisy-chaining up to 25m)	12 m 4-Port USB 2.0 Extender Cable (Daisy-chaining up to 60m)	12 m USB 2.0 Extender Cable (Daisy-chaining up to 60m)
Number of Device Port	1	1	1	1	1	1	4	1
Max. Distance	20 m	10 m	30 m	50 m	5 m	25 m	60 m	60 m
Input Interface	USB Type-A	USB Type-A	USB Type-A	USB Type-A	USB Type-A	USB Type-A	USB Type-A	USB Type-A
Output Interface	USB Type-C	USB Type-C	USB Type-A	USB Type-A	USB Type-A	USB Type-A	USB Type-A	USB Type-A
USB Standard	3.2 Gen 1	3.2 Gen 1	3.2 Gen 1	3.2 Gen 1	3.2 Gen 1	2.0 High Speed	2.0 High Speed	2.0 High Speed
Cabling	USB Cable	USB Cable	USB Cable	USB Cable	USB Cable	USB Cable	USB Cable	USB Cable

	UCE33100	UCE32100	UCE260	UCE60	UCE3250	UEH4102	UEH4002A
Extenders	4-Port USB 3.2 Gen 1 Cat 6A Extender (up to 100 m)	4-Port USB 2.0 Cat 5 Extender (up to100 m)	USB 2.0 Cat 5 Extender (up to 60m)	USB Cat 5 Extender (up to 60m)	4-Port USB 2.0 Cat 5 Extender (up to 50m)	4-Port USB 2.0 Cat 5 Extender over LAN	4-Port USB 2.0 Cat 5 Extender (up to 100 m)
Number of Device Port	4	4	1	1	4	4	4
Max. Distance	100 m	100 m	60 m	60 m	50 m	100 m (LAN)	100 m
Input Interface	USB Type-B	USB Type-B	USB Type-A	USB Type-A	USB Type-B	USB Type-B	USB Type-B
Output Interface	USB Type-A	USB Type-A	USB Type-A	USB Type-A	USB Type-A	USB Type-A	USB Type-A
USB Standard	3.2 Gen 1	2.0 High Speed	2.0 High Speed	2.0 Full Speed	2.0 High Speed	2.0 High Speed	2.0 High Speed
Cabling	Cat 6A/7	Cat 5/5e/6	Cat 5/5e/6	Cat 5e/6	Cat 5/5e/6	Cat 5e/6	Cat 5e/6

UE331C / UE332C

10 m / 20 m USB 3.2 Gen1 (USB-A Male to USB-C Female) Extender Cable



Features

- Extends the USB signal from a USB Type-A PC / laptop to a USB-C device 10 / 20 m away
- Supports USB 3.2 Gen1 specifications of up to 5 Gbps data transfer rates
- Lightweight, small enclosure with 2 screw holes on the USB-C female connector deliver enhanced flexibility and secure interconnection
- Plug-and-play – no drivers needed



UE3310 / UE3315A

10 m / 15 m USB 3.2 Gen 1 Extender Cable



Features

- Daisy-chainable, max. distance of up to 50 m (UE3310) / 30 m (UE3315A)
- USB 3.2 Gen 1 and 2.0 compatible
- Ultra slim design and unique locker head design
- Additional power adapter included



UE350A

5 m USB 3.2 Gen 1 Extender Cable



Features

- Extends the distance of one USB device up to 5 m
- USB 3.0, 2.0, and 1.1 compatible
- Plug and play – no additional software installation required
- Non-powered



UE250

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



Features

- Extends the distance to your USB device up to 5m
- USB 2.0 compliant
- Fully compliant with USB Electrical and Timing Specs for USB Hubs
- No power adapter required



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)



Features

- Extends the distance to your USB device(s) up to 12 m
- Supports any High-Speed (480Mb/s), full-speed (12 Mb/s) or low-speed (1.5 Mb/s) USB devices
- Up to 4 extender cables (UH2120) and 1 Extender Hub (UH2120H) can be chained for a distance of up to 60 m
- 4 downstream USB 2.0 ports (UH2120H)
- Lockable mechanical design for secure connection (UH2120)

UE2120

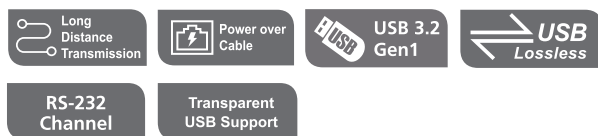


UE2120H



UCE33100

4-Port USB 3.2 Gen 1 Cat 6A Extender (up to 100 m)



Features

- A two-piece extension kit that transmits USB signals over a Cat 6A cable
- Long distance USB 3.2 data transmission at up to 5Gbps across 100m
- 4x USB Type-A ports built on the remote unit for connection to multiple USB peripherals
- Supports bi-directional RS-232 pass-through for integration into control systems
- Bi-directional 24V power over cable eliminates the need for an additional power adapter when either of the local or remote unit receives power



UCE32100

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



Features

- True USB 2.0 transparent extension over Ethernet Cable up to 100 m
- USB Lossless – Higher compatibility of remote USB devices
- An integrated four port hub allows for extension of up to 4x USB devices without the need for an additional hub
- Power supply for remote unit to ensure power delivery to multiple devices at once



UCE260

USB 2.0 Cat 5 Extender (up to 60 m)



Features

- Extends signal transmission distance of a USB devices up to 60m via an Ethernet Cable
- Supports any High-Speed (480Mb/s), full-speed (12 Mb/s) or low-speed (1.5 Mb/s) USB devices
- The most cost-effective USB extender solution
- Includes an AC adapter to stabilize power supply



UCE60

USB Cat 5 Extender (up to 60 m)



Features

- Extends the transmission distance of a USB device up to 60m using Ethernet Cable
- Supports any full-speed (12Mb/s) or low-speed (1.5Mb/s) USB devices
- No additional installation software required



UCE3250

4-Port USB 2.0 Cat 5 Extender (up to 50 m)

50 m Long Distance Transmission

USB 2.0

USB Lossless

Features

- High-Speed USB 2.0 compliant with a data transfer rate of up to 480 Mbps
- Extension distance of up to 50m over an Ethernet Cable
- Receives up to 4 USB peripherals of all types – flash drives, keyboards, mice, webcams, scanners, printers and more
- Metal mechanical with wall mount design supports industrial deployment



UEH4102

4-Port USB 2.0 Cat 5 Extender over LAN

USB 2.0

EXTREME USB

Transparent USB Support

Features

- Extends USB transmission over a Gigabit Ethernet Local Area Network (LAN)
- ExtremeUSB® – supports transparent USB 2.0 signals and true plug-and-play (no software or drivers required)
- Pre-paired networked configuration through MAC Address for simple installation. No pairing action required
- Up to 100m between extender and switch and between switches over CAT 5e/6/7 cables



UEH4002A

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

100 m Long Distance Transmission

USB 2.0

EXTREME USB

Transparent USB Support

Features

- Extends USB transmission distance up to 100m
- Supports all USB 2.0 devices up to 480 Mbps
- ExtremeUSB® – supports transparent USB 2.0 signals and true plug-and-play (no software or drivers required)
- Fully compliant with USB Electrical and Timing



Serial Connectivity



• Secure Serial Device Servers

An easy-to-use, secure, and reliable solution makes it easier to connect a wide range of serial devices to an IP-based Ethernet LAN in an instant. The ATEN Secure Serial Device Server provides simple, fast serial-to-Ethernet connectivity, allowing your PC to remotely allowing users to remotely access serial RS-232/422/485 devices from a PC located anywhere. The growing numbers of cyber attacks in the industrial IoT era has the potential to bring down systems and cause huge losses of time and money. In order to avoid potential vulnerability risks, enterprises need a multi-layered defense system to ensure secure data transmissions that include regular firmware upgrades, as well as various encrypted forms of authentication and access control. The secure serial-to-Ethernet solution is equipped with security functions at every level, including network access control and user authentication, data integrity and confidentiality. Furthermore, with an operation mode available for advanced security functions, users can acquire any field data needed and provide frontline protection.

• Industry Control

Creating a connection between two interfaces is no longer a problem with the ATEN IC series range of reliable, cost-efficient, bi-directional converters. These are extremely useful in situations in which the only port available uses an interface that is different from the device to which you need to connect. The converters transfers RS-232 to RS-422/RS-485 signal in long-distance applications up to 1200 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

	SN3000 Series (SN3001 / SN3001P / SN3002 / SN3002P)	SN3400 Series (SN3401 / SN3401P / SN3402 / SN3402P)
Over IP	✓	
PoE	SN3001P, SN3002P	SN3401P, SN3402P
Serial Standard	RS-232	RS-232/422/485
Number of Serial Ports	SN3001 / SN3001P: x1 SN3002 / SN3002P: x2	SN3401 / SN3401P: x1 SN3402 / SN3402P: x2

	IC485S	IC485SI	IC485SN
Input	1 x DB-25		
Output	RS-485 / RS-422 Four Terminal Block		
RJ-11 Connector	✓	N/A	✓
Grounding Tab	N/A	✓	N/A
DCE / DTE Selectable	✓		
Monitor Configuration	✓	N/A	N/A
Signal / Power Isolation	N/A	✓	N/A
2000V Surge Protection	N/A		
Operation Mode	Point to Point, Multidrop, Simplex		
Bus-Powered	N/A	N/A	✓
Signal Range	1200 m		
Baud Rates	115.2 K		

SN3401 / SN3402 / SN3401P / SN3402P

1/2-Port RS-232/422/485 Secure Serial Device Server

1/2-Port RS-232/422/485 Secure Serial Device Server with PoE

Features

- 1 or 2 RS-232/422/485 serial port for secured serial data over Ethernet transmission
- Secured operation modes – Secure Real COM, Secure TCP Server / Client, Secure Serial Tunneling Server / Client, Console Management (SSH), and Console Management Direct (SSH)
- Redundant power input (power jack and terminal block) for fail-safe power
- Support Modbus gateway to convert between Modbus TCP and Modbus RTU / ASCII protocols
- IEEE 802.3af-compliant PoE PD (powered device) equipment (SN3401P, SN3402P)

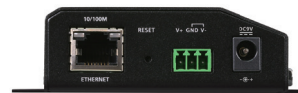
SN3402P



Front



Rear



SN3001 / SN3002 / SN3001P / SN3002P

1/2-Port RS-232 Secure Serial Device Server

1/2-Port RS-232 Secure Serial Device Server with PoE



Features

- 1 or 2 RS-232 serial port for secured serial data over Ethernet transmission
- Secured operation modes – Secure Real COM, Secure TCP Server / Client, Secure Serial Tunneling Server / Client, Console Management (SSH), and Console Management Direct (SSH)
- Redundant power input (power jack and terminal block) for fail-safe power
- Surge protection for serial, Ethernet, and power
- IEEE 802.3af-compliant PoE PD (powered device) equipment (SN3001P, SN3002P)

SN3002P



Front

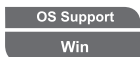


Rear



IC485S / IC485SI / IC485SN

RS-232 / RS-485 Interface Converter



(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

IC485S

IC485SI



IC485SN



KVM Modules & Included Accessories



Converters / Emulators

ATEN provides a series of KVM switches that feature multiplatform support. In addition, we offer a host of converters to enable your KVM switches to support Windows, Linux, and Mac computers. By using ATEN converters, you eliminate the high cost and downtime associated with replacing KVM switches.

ATEN KVM adapter cables connect the computers via Cat 5e/6 cable to the KVM switches. This provides high quality data transmissions over longer distances without the need of extenders.

Utilizing KVM adapter cables for the connection permits any combination of Windows, Mac and Sun computers and serial devices to easily co-exist on the same installation. KVM adapters are light and small, so fit perfectly into almost any rack-mount location.

- Keyboard and mouse emulation – keeps your server functioning smoothly when it is disconnected from the switch's KVM port or relocated to a different KVM port
- Firmware upgradable
- Built-in ASIC for greater reliability and compatibility
- CPU module designed with automatic conversion to allow for flexible interface combinations to control all server types
- Built-in 4.5m Cat 5 cable (KA7920 / KA7970)
- High video quality (KA7xxx series) – supports VGA, DVI, HDMI and DisplayPort interface
- Compact size
- Supports VT100 (KA7140 / KA9140)
- Supports local console (KA7174)
- Supports digital audio (KA7188 / KA7189)

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.

KVM Adapter (CPU Modules)

Type	PS/2			Sun Legacy
Model	PS/2 VGA KVM Adapter	PS/2 VGA KVM Adapter	PS/2 VGA KVM Adapter	Sun Legacy KVM Adapter
	KA7120	KA7520	KA7920	KA7130
Connectors				
Link	1 x RJ-45 Female	1 x RJ-45 Female	1 x RJ-45 Male with 4.5m Cat 5 cable	1 x RJ-45 Female
Computer	1 x HDB-15 Male 2 x Min Din 6 Male	1 x HDB-15 Male 2 x Min Din 6 Male	1 x HDB-15 Male 2 x Min Din 6 Male	1 x 13W3 Male 1 x Min Din 8 Male
LEDs				
Online / Link	1 (Green)	1 (Green)	1 (Orange)	1 (Green)
Power	1 (Orange)	1 (Orange)	N/A	1 (Orange)
Emulation				
Keyboard / Mouse	PS/2	PS/2	PS/2	Sun

KVM Adapter (CPU Modules)

Type	USB					
Model	USB VGA KVM Adapter	USB VGA KVM Adapter	USB VGA KVM Adapter	USB DVI Virtual Media KVM Adapter with Smart Card Reader	USB HDMI Virtual Media KVM Adapter with Smart Card Reader	USB DisplayPort Virtual Media KVM Adapter with Smart Card Reader
	KA7170	KA7570	KA7970	KA7166	KA7168	KA7169
Connectors						
Link	1 x RJ-45 Female	1 x RJ-45 Female	1 x RJ-45 Male with 4.5m Cat 5 cable	1 x RJ-45 Female	1 x RJ-45 Female	1 x RJ-45 Female
Computer	1 x USB Type A Male 1 x HDB-15 Male	1 x USB Type A Male 1 x HDB-15 Male	1 x USB Type A Male 1 x HDB-15 Male	2 x USB Type A Male 1 x DVI-D Male	2 x USB Type A Male 1 x HDMI Male	2 x USB Type A Male 1 x DisplayPort Male
LEDs						
Online / Link	1 (Green)	1 (Green)	1 (Orange)	1 (Green)	1 (Green)	1 (Green)
Power	1 (Orange)	1 (Orange)	N/A	1 (Orange)	1 (Orange)	1 (Orange)
Emulation						
Keyboard / Mouse	USB	USB	USB	USB	USB	USB

KVM Adapter (CPU Modules)

Type	USB						
Model	USB VGA Virtual Media KVM Adapter	USB VGA/Audio Virtual Media KVM Adapter	USB VGA Virtual Media KVM Adapter with Smart Card Reader	USB VGA/Audio Virtual Media KVM Adapter with Dual Output	USB-C Virtual Media KVM Adapter	USB HDMI Virtual Media KVM Adapter with Smart Card Reader and Audio De-Embedder	USB DisplayPort Virtual Media KVM Adapter with Smart Card Reader and Audio De-Embedder
	KA7175	KA7176	KA7177	KA7178	KA7183	KA7188	KA7189
Connectors							
Link	1 x RJ-45 Female	1 x RJ-45 Female	1 x RJ-45 Female	2 x RJ-45 Female	1 x RJ-45 Female	1 x RJ-45 Female	1 x RJ-45 Female
Computer	1 x USB Type A Male 1 x HDB-15 Male	1 x USB Type A Male 1 x HDB-15 Male 2 x Mini Stereo Plug	2 x USB Type A Male 1 x HDB-15 Male	1 x USB Type A Male 1 x HDB-15 Male 2 x Mini Stereo Plug	1 x USB Type C Male	2 x USB Type A Male 1 x HDMI Male	2 x USB Type A Male 1 x DisplayPort Male
LEDs							
Online / Link	1 (Green)	1 (Green)	1 (Green)	2 (Green)	1 (Green)	1 (Green)	1 (Green)
Power	1 (Orange)						
Emulation							
Keyboard / Mouse	USB						

KVM Adapter (CPU Modules)

Type	USB-PS/2	Serial	
Model	KVM Adapter Module with USB, PS/2, and RS-232 Local Console	Serial KVM Adapter Module	Serial Console Adapter
	KA7174	KA9140	KA7140
Connectors			
Link	1 x RJ-45 Female	1 x RJ-45 Female	1 x RJ-45 Female
Computer	1 x SPHD Female	1 x DB-9 Female	1 x DB-9 Female
Console Ports	1 x SPHD Male	1 x HDB-15 Female 1 x Min Din 6 Female	N/A
Power	1 x DC Jack	1 x DC Jack	1 x Mini USB Type B Female
Pushbuttons			
Operating Mode Selection	1 x Pushbutton	N/A	N/A
LEDs			
Online / Link	N/A	1 (Green)	1 (Green)
Power	N/A	1 (Orange)	1 (Orange)
Local	1 (Green)	N/A	N/A
Remote	1 (Green)	N/A	N/A
Emulation			
Keyboard / Mouse	PS/2, USB	N/A	N/A
Video	Up to 1920 x 1200 @ 60Hz	N/A	N/A

CV10KM

USB to PS/2 Converter



Features

- Converts USB keyboard and mouse signals into PS/2 signals
- Compatible with all KE / CN / RCM series transmitters
- USB 2.0 compliant
- Embeds pushbutton for firmware upgrade
- Multiplatform support – Windows and Linux
- Bus Powered (via the USB and PS/2 cables)
- Plug and play



CV190

DisplayPort Console Converter



Features

- Compatible with SPHD-interfaced KVM switch to work with DisplayPort and USB-enabled target computers
- Supports high video resolution – up to 1920 x 1080 @ 60Hz
- DisplayPort 1.1 compliant
- Supports USB keyboard and mouse
- Bus-powered – no external power adapter required
- Easy installation – no software required



UC10KM

PS/2 to USB Adapter (90 cm)



Features

- Two PS/2 devices (keyboard and mouse) to USB Interface converter
- Supports PS/2 mice and Microsoft IntelliMouse
- Compatible with KVM switches
- USB 1.1 compliant
- Easy installation – no software required
- OS Support: Windows, Mac, Linux Redhat 7.0 or higher
- Bus-Powered



UC100KMA

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



Features

- Two PS/2 devices (keyboard and mouse) to USB Interface converter
- Supports PS/2 mice and Microsoft IntelliMouse
- Compatible with KVM switches
- USB specification compliant
- Easy installation – no software required
- Hotkey selection for OS and keyboard language supports
- OS Support: Windows 2000, Windows XP, Windows Vista, LINUX, Mac, Sun and FreeBSD
- External power adapter not required



KA7120

PS/2 VGA KVM Adapter with Composite Video Support

Features

- Connects any Cat 5e KVM switch to a target computer
- Built-in ASIC for greater reliability and compatibility
- Keyboard and mouse emulation - keeps your server functioning smoothly when it is disconnected from the switch's KVM port or relocated to different KVM port
- Superior video quality – supports resolution up to 1920 x 1200 (reduced blanking)



KA7130

SUN Legacy KVM Adapter

Features

- Auto Signal Compensation (ASC), no DIP switch setting needed for the different distances
- Keyboard and mouse emulation – keeps your server functioning smoothly when it is disconnected from the switch's KVM port or relocated to different KVM port
- Superior video quality – supports resolution up to 1600 x 1200
- Built in ASIC for greater reliability and compatibility



KA7140

Serial Console Adapter

Features

- Hot pluggable – add or remove computers without having to power down the switch
- Support VT100
- Support up to 300m signal transmission



KA7166

USB DVI Virtual Media KVM Adapter with Smart Card Support

Features

- Auto Signal Compensation (ASC), no DIP switch setting needed for different distances
- Keyboard and mouse emulation – keeps your server functioning smoothly when it's disconnected from the switch's KVM port or is relocated to a different KVM port
- Superior video quality – supports resolution up to 1920 x 1200 (reduced blanking)
- Virtual Media and Smart Card / CAC Reader Support
- Built in ASIC for greater reliability and compatibility



KA7168

USB HDMI Virtual Media KVM Adapter with Smart Card Support



Features

- Auto Signal Compensation (ASC), no DIP switch setting needed for different distances
- Keyboard and mouse emulation – keeps your server functioning smoothly when it's disconnected from the switch's KVM port or is relocated to a different KVM port
- Superior video quality – supports resolution up to 1920 x 1200 (reduced blanking)
- Virtual Media and Smart Card / CAC Reader Support
- Built in ASIC for greater reliability and compatibility



KA7169

USB DisplayPort Virtual Media KVM Adapter with Smart Card Support

Features

- Auto Signal Compensation (ASC), no DIP switch setting needed for different distances
- Keyboard and mouse emulation – keeps your server functioning smoothly when it's disconnected from the switch's KVM port or is relocated to a different KVM port
- Superior video quality – supports resolution up to 1920 x 1200 (reduced blanking)
- Virtual Media and Smart Card / CAC Reader Support
- Built in ASIC for greater reliability and compatibility



KA7170

USB VGA KVM Adapter with Composite Video Support

Features

- Auto Signal Compensation (ASC), no DIP switch setting needed for the different distances
- Keyboard and mouse emulation – keeps your server functioning smoothly when it is disconnected from the switch's KVM port or relocated to different KVM port
- Superior video quality – supports resolution up to 1920 x 1200 (reduced blanking)
- Built in ASIC for greater reliability and compatibility



KA7174

KVM Adapter Module with USB, PS/2, and RS-232 Local Console

Features

- Compatible with ATEN 2XRT-0015G KVM over IP Access Control Box to initiate local-only access and control to the servers
- Supports computers with PS/2 and USB keyboards and mice, controlling the system from these extended devices and monitor via local console
- Supports custom RS-232 touch panel from both local and remote sites
- Pushbutton operating mode selection for privileged console control with OSD tag notifications indicating denial of access to the local or remote users when configured as such
- Superior video quality – supports resolution up to 1920 x 1200 (reduced blanking)



Front



Rear



KA7175

USB VGA Virtual Media KVM Adapter

Features

- Auto Signal Compensation (ASC), no DIP switch setting needed for the different distances
- Keyboard and mouse emulation – keeps your server functioning smoothly when it is disconnected from the switch's KVM port or relocated to different KVM port
- Superior video quality – supports resolution up to 1920 x 1200 (reduced blanking)
- Built in ASIC for greater reliability and compatibility



KA7176

USB VGA/Audio Virtual Media KVM Adapter

Features

- Auto Signal Compensation (ASC), no DIP switch setting needed for the different distances
- Keyboard and mouse emulation – keeps your server functioning smoothly when it is disconnected from the switch's KVM port or relocated to different KVM port
- Superior video quality – supports resolution up to 1920 x 1200 (reduced blanking)
- Built in ASIC for greater reliability and compatibility



KA7177

USB VGA Virtual Media KVM Adapter with Smart Card Support

Features

- Auto Signal Compensation (ASC), no DIP switch setting needed for the different distances
- Keyboard and mouse emulation – keeps your server functioning smoothly when it is disconnected from the switch's KVM port or relocated to different KVM port
- Superior video quality – supports resolution up to 1920 x 1200 (reduced blanking)
- Built in ASIC for greater reliability and compatibility



KA7178

USB VGA/Audio Virtual Media KVM Adapter with Dual Output

Features

- Auto Signal Compensation (ASC), no DIP switch setting needed for the different distances
- Keyboard and mouse emulation – keeps your server functioning smoothly when it is disconnected from the switch's KVM port or relocated to different KVM port
- Superior video quality – supports resolution up to 1920 x 1200 (reduced blanking)
- Built in ASIC for greater reliability and compatibility



KA7183

USB-C Virtual Media KVM Adapter

Features

- Connects any Cat 5 KVM switch to a target computer via a single USB-C
- Superior video quality – supports Full HD resolution of up to 1920 x 1200
- Auto Signal Compensation (ASC) – no DIP switch setting needed for different distances
- Keyboard and mouse emulation – keeps the server functioning smoothly when it's disconnected from the switch's KVM port or is relocated to a different KVM port



KA7188

USB HDMI Virtual Media KVM Adapter (Support Smart Card Reader and Audio De-Embedder)



Features

- Supports Audio De-Embedder
- Auto Signal Compensation (ASC), no DIP switch setting needed for different distances
- Keyboard and mouse emulation – keeps your server functioning smoothly when it's disconnected from the switch's KVM port or is relocated to a different KVM port
- Superior video quality – supports resolution up to 1920 x 1200 (reduced blanking)



KA7189

USB DisplayPort Virtual Media KVM Adapter (Support Smart Card Reader and Audio De-Embedder)

Features

- Auto Signal Compensation (ASC), no DIP switch setting needed for the different distances
- Keyboard and mouse emulation – keeps your server functioning smoothly when it is disconnected from the switch's KVM port or relocated to different KVM port
- Superior video quality – supports resolution up to 1920 x 1200 (reduced blanking)
- Built in ASIC for greater reliability and compatibility



KA7520

PS/2 VGA KVM Adapter

Features

- Keyboard and mouse emulation – keeps your server functioning smoothly when it is disconnected from the switch's KVM port or relocated to different KVM port
- Superior video quality – supports resolution up to 1920 x 1200 (reduced blanking)
- Hot pluggable – add or remove computers without having to power down the switch



KA7570

USB VGA KVM Adapter

Features

- Keyboard and mouse emulation – keeps your server functioning smoothly when it is disconnected from the switch's KVM port or relocated to different KVM port
- Superior video quality – supports resolution up to 1920 x 1200 (reduced blanking)
- Hot pluggable – add or remove computers without having to power down the switch



KA7920

PS/2 VGA KVM Adapter Cable

Features

- Keyboard and mouse emulation – keeps your server functioning smoothly when it is disconnected from the switch's KVM port or relocated to different KVM port
- Built in 4.5m Cat 5 cable
- Superior video quality – supports resolution of up to 1600 x 1200 within the distance of up to 4.5m
- Hot pluggable – add or remove computers without having to power down the switch.



KA7970

USB VGA KVM Adapter Cable

Features

- Keyboard and mouse emulation – keeps your server functioning smoothly when it is disconnected from the switch's KVM port or relocated to different KVM port
- Built in 4.5m Cat 5 cable
- Superior video quality – supports resolution of up to 1600 x 1200 within the distance of up to 4.5m
- Hot pluggable – add or remove computers without having to power down the switch.



KA9140

Serial KVM Adapter

Features

- Auto Signal Compensation (ASC), no DIP switch setting needed for the different distances
- Support VT-100
- Built in ASIC for greater reliability and compatibility
- CPU module designed with automatic conversion to allow for flexible interface combinations (PS/2, USB) to control all computer types (Serial)









Front



Rear



Cables

Images	Part No.	Interface	To PC / Source Interface	To Switch Interface
	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 VGA	6 pin mini-DIN Male 6 pin mini-DIN Male	6 pin mini-DIN Male 6 pin mini-DIN Male
	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 VGA	HDB-15 Male	HDB-15 Female
	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 VGA	6 pin mini-DIN Male 6 pin mini-DIN Male HDB-15 Male	6 pin mini-DIN Female 6 pin mini-DIN Female HDB-15 Female
	Console			
	2L-5502UP (1.8 m) 2L-5503UP (3 m) 2L-5506UP (6 m)	USB VGA	USB Type A Male HDB-15 Male	6 pin mini-DIN Male 6 pin mini-DIN Male HDB-15 Female
	2L-5201P (1.2 m) 2L-5202P (1.8 m) 2L-5203P (3 m) 2L-5206P (6 m) 2L-5210P (10 m)	PS/2 VGA	6 pin mini-DIN Male 6 pin mini-DIN Male HDB-15 Male	SPHD Male
	2L-5202UP (1.8 m) 2L-5203UP (3 m) 2L-5205UP (5 m) 2L-5206UP (6 m)	USB VGA	USB Type A Male HDB-15 Male	SPHD Male
	With built-in PS/2 to USB Converter			
	2L-5203A (3 m) 2L-5205A (5 m)	VGA Audio	2 Audio Plugs HDB-15 Male	SPHD Female

















































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.

Images	Part No.	Interface	To PC / Source Interface	To Switch Interface
	2L-5301UP (1.2 m) 2L-5302UP (1.8 m) 2L-5303UP (3 m)	USB PS/2 VGA	 USB Type A Male  HDB-15 Male  6 pin mini-DIN Male  6 pin mini-DIN Male	 SPHD Male
	2L-1701P (1.8 m) 2L-1703P (3 m) 2L-1705P (5 m) 2L-1710P (10 m)	PS/2 VGA Audio	 6 pin mini-DIN Male  6 pin mini-DIN Male  2 Audio Plugs  HDB-15 Male	 DB-25 Male
	2L-5003U (3 m)	USB VGA	 USB Type A Male  HDB-15 Male	 USB Type B Male  HDB-15 Female
	2L-5301U (1.2 m) 2L-5302U (1.8 m) 2L-5303U (3 m) 2L-5305U (5 m)	USB VGA Audio	 USB Type A Male  HDB-15 Male  2 Audio Plugs	 SPHD Male  2 Audio Plugs
	2L-5302P (1.8 m) 2L-5303P (3 m) 2L-5305P (5 m)	PS/2 VGA Audio	 6 pin mini-DIN Male  6 pin mini-DIN Male  2 Audio Plugs  HDB-15 Male	 SPHD Male  2 Audio Plugs
	2L-5201U (1.2 m) 2L-5202U (1.8 m) 2L-5203U (3 m) 2L-5205U (5 m)	USB VGA	 USB Type A Male  HDB-15 Male	 SPHD Male
	2L-7D01H (1 m) 2L-7D02H-1 (2m) 2L-7D03H (3 m) 2L-7D05H (5 m) 2L-7D05H-1 (5 m) 2L-7D10H (10 m) 2L-7D15H (15 m) 2L-7D20H (20 m)	HDMI	 HDMI	 HDMI
	2L-7D02U (1.8 m) 2L-7D03U (3 m) 2L-7D05U (5 m)	USB DVI-D Audio	 USB Type A Male  DVI-D Male (Single Link)  2 Audio Plugs	 USB Type B Male  DVI-D Male (Single Link)  2 Audio Plugs
	2L-7D02UI (1.8 m) 2L-7D03UI (3 m)	USB DVI-I Audio	 USB Type A Male  DVI-I Male (Single Link)  2 Audio Plugs	 USB Type B Male  DVI-I Male (Single Link)  2 Audio Plugs

Cables

Images	Part No.	Interface	To PC / Source Interface	To Switch Interface
	2L-7D02UD (1.8 m) 2L-7D03UD (3 m) 2L-7D05UD (5 m)	USB DVI-D Dual Link Audio	 USB Type A Male  DVI-D Male (Dual Link)  2 Audio Plugs	 USB Type B Male  DVI-D Male (Dual Link)  2 Audio Plugs
	2L-7D03DD (3 m) 2L-7D05DD (5 m)	DVI-D Dual Link	 DVI-D Male (Dual Link)	 DVI-D Male (Dual Link)
	2L-7DX2U (1.8 m) 2L-7DX3U (3 m)	USB VGA Audio	 USB Type A Male  HDB-15 Male  2 Audio Plugs	 USB Type B Male  DVI-I Male (Single Link)  2 Audio Plugs
	2L-7D02DH (1.8 m)	USB HDMI Audio	 USB Type A Male  HDMI  2 Audio Plugs	 USB Type B Male  DVI-D Male (Single Link)  2 Audio Plugs
	2L-7D02UH (1.8 m)	USB HDMI Audio	 USB Type A Male  HDMI  2 Audio Plugs	 USB Type B Male  HDMI  2 Audio Plugs
	2L-7D02DP (2 m) 2L-7D03DP (3 m) 2L-7D03DP-1 (3 m) 2L-7D04DP (4.6 m)	DisplayPort	 DisplayPort	 DisplayPort
	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 In DB-25 Male	 Daisy chain Out DB-25 Female
	2L-2801 Low Skew Cable	RJ-45	 RJ-45	 RJ-45
	2L-2910 HDBaseT Cat 6 Cable	RJ-91	 RJ-45	 RJ-45
	2L-7D02HDP (1.8 m)	DisplayPort USB	 HDMI	 DisplayPort

Accessories

Images	Part No.	Product Name
	2XRT-0003G	IR Extender Cable
	2X-EA12	LockPro - HDMI Cable Lock
	2A-127G	DVI to HDMI Adapter
	2A-128G	HDMI to DVI Adapter



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Showrooms



Global Locations



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Released 01/2025