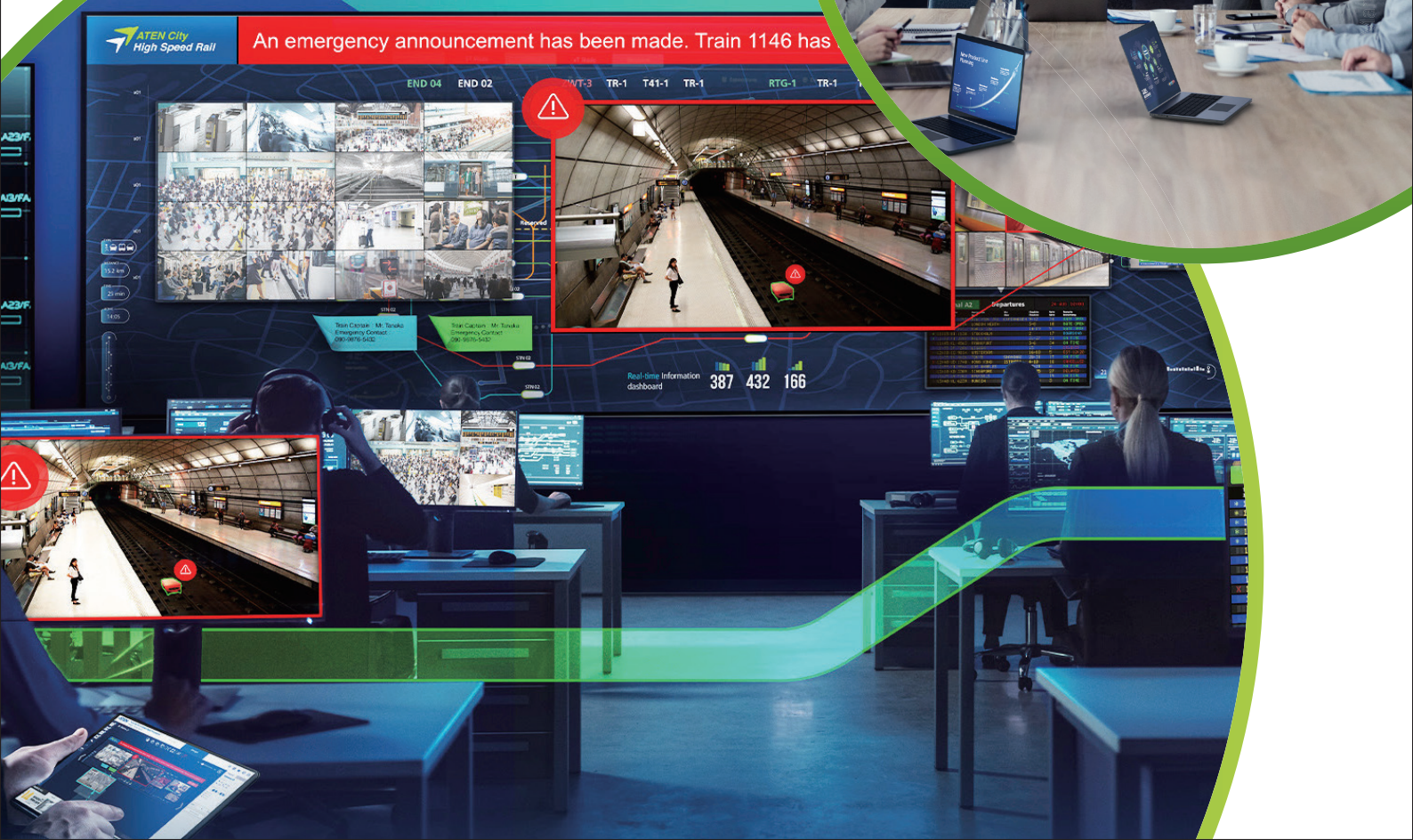


Product Catalog

Professional AV Solutions

2025 /
2026



Company Profile

#1

Global KVM
Market Leader

45+

Years of
Excellence

36

Global Sales
Offices

155M

2024 Total
Revenue (USD)

5

Product
Lines

30+

Global Showrooms

1.7K

Employees
Worldwide

200+

Global Award
Winner

650+

Patents Awarded

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

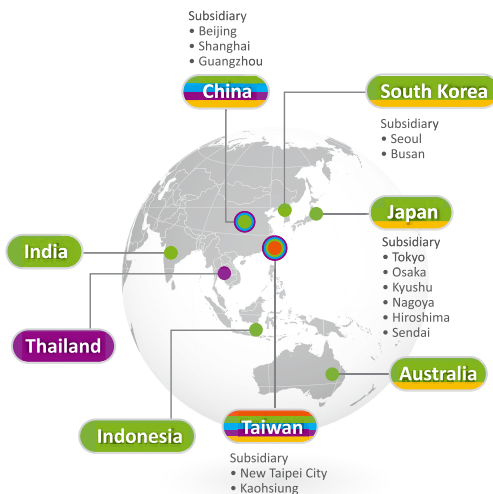


Book a Showroom Tour

- Headquarters
- Subsidiary
- R&D Center
- Factory
- Service & Repair Center



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

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

* Source : IHS Markit KVM Switches and Serial Consoles Report

Contents

Company Profile	I		
Management Software	1-2	ATEN Unizon™ Global AV Management Platform	ATEN Unizon™
Room Booking System	2-2	10.1" RBS Panel	VK430
	2-2	Access Inspector	VK401
	2-3	RBS infoPlayer	VR610
	2-3	RBS Configurator	RBS Configurator
ATEN Control System	3-5	Control Box Gen. 2 with Dual Lan	VK2200
	3-5	Compact Control Box Gen. 2 with Dual Lan	VK1200
	3-6	Control Box Gen. 2	VK2100A
	3-6	Compact Control Box Gen. 2	VK1100A
	3-7	12-Button Control Pad (EU, 2 Gang)	VK0200
	3-7	8-Button Control Pad (US, 1 Gang)	VK0100
	3-8	4-Port Serial Extension Box	VK224
	3-8	6-Port IR/Serial Expansion Box	VK236
	3-9	8-Channel Relay Expansion Box	VK248
	3-9	8-Channel Digital I/O Expansion Box	VK258
	3-10	RS-232/Contact to USB Keyboard Converter	VK211
	3-11	10.1" Touch Panel	VK330
	3-11	Wall Mount Kit	VK302
	3-12	Tabletop Kit (75 x 75 mm)	VK304
	3-12	Tabletop Kit (EU, 2-Gang)	VK102
	3-13	Tabletop Kit (US, 1-Gang)	VK101
	3-13	8" Touch Panel	VK320
	3-14	12-Button Keypad (EU, 2 Gang)	VK112EU
	3-14	8-Button Keypad (US, 1 Gang)	VK108US
	3-15	Configurator Software	VK6000
	3-16	Mobile App	ATEN Control System Mobile App
	3-16	ControlAssist	ControlAssist
Presentation Switches	4-3	5 x 2 True 4K Seamless Presentation Matrix Switch with Control	VP3520
	4-3	4 x 2 True 4K Presentation Matrix Switch with Multiview	VP2420
	4-4	4K Wireless Presentation Switch with Quad View	VP2021
	4-4	4K Wireless Presentation Switch	VP2020
	4-5	7 x 3 Seamless Presentation Matrix Switch with Scaling, Streaming, Audio Mixer, and HDBaseT	VP2730
	4-5	Seamless Presentation Switch with Quad View Multistreaming	VP2120
	4-6	9 x 2 4K Presentation Matrix Switch	VP1920
	4-6	4 x 2 True 4K Presentation Matrix Switch with Scaling, DSP, and HDBaseT-Lite	VP1421
	4-7	4 x 2 True 4K Presentation Matrix Switch	VP1420
	4-7	12-Key Network Remote Pad	VPK312
	4-8	4-Key Contact Closure Remote Pad	VPK104
	4-8	ATEN Video Presentation Control App	ATEN Video Presentation Control App
Video Wall Processors	5-3	36 x 20 4K HDMI Video Wall Processor	VW3620
	5-3	4-Port 4K HDMI Input Board / 4-Port 4K HDMI Output Board with Scaler	VW784 / VW884

Video Matrix Switches

Modular Matrix Solutions		
6-4	32 x 32 Modular Matrix Switch Gen. 2	VM3250
6-4	32 x 32 Modular Matrix Switch	VM3200
6-5	16 x 16 Modular Matrix Switch	VM1600A
6-5	4-Port 10G Optical Input Board / 4-Port 10G Optical Output Board	VM7584 / VM8584
6-6	4-Port HDBaseT Input Board / 4-Port HDBaseT Output Board	VM7514 / VM8514
6-6	4-Port 4K DisplayPort Input Board	VM7904
6-7	4-Port True 4K HDMI Input Board / 4-Port True 4K HDMI Output Board with Scaler	VM7824 / VM8824
6-7	4-Port 4K HDMI Input Board / 4-Port 4K HDMI Output Board with Scaler	VM7814 / VM8814
6-8	4-Port HDMI Input Board / 4-Port HDMI Output Board with Scaler	VM7804 / VM8804
6-8	4-Port DVI Input Board / 4-Port DVI Output Board with Scaler	VM7604 / VM8604
6-9	4-Port 3G-SDI Input Board	VM7404
6-9	4-Port VGA Input Board	VM7104
Fixed I/O Video Matrix Switches		
6-12	4 x 4 True 4K HDMI Matrix Switch with Scaler	VM6404HB
6-12	8 x 9 4K HDMI Matrix Switch with Scaler	VM6809H
6-13	16 x 16 HDMI Matrix Switch with Scaler	VM51616H
6-13	4 x 4 / 8 x 8 HDMI Matrix Switch with Scaler	VM5404HA / VM5808HA
6-14	4 x 4 / 8 x 8 HDMI Matrix Switch with Scaler	VM5404H / VM5808H
6-14	4 x 4 / 8 x 8 True 4K HDMI Matrix Switch	VM0404HB / VM0808HB
6-15	2 x 2 True 4K HDMI Matrix Switch with Audio De-embedder	VM0202HB
6-15	4 x 4 4K HDMI Matrix Switch	VM0404HA
6-16	2 x 2 VGA/Audio Matrix Switch	VS0202
6-17	ATEN Video Matrix Control App	ATEN Video Matrix Control App

Media Distribution Solutions

7-3	4-Port/8-Port 4K HDMI Cat 6 Splitter with 4/8 Receivers	VS1824KIT / VS1828KIT
7-3	4/8-Port HDMI HDBaseT Splitter (HDBaseT Class A)	VS1814T / VS1818T
7-4	HDMI HDBaseT Receiver (4K@100m) (HDBaseT Class A)	VE811R
7-4	HDMI HDBaseT Receiver (4K@100m) (HDBaseT Class A)	VE812R
7-5	HDMI HDBaseT-Lite Receiver (4K@40m) (HDBaseT Class B)	VE801R
7-5	4/8-Port VGA/Audio Cat 5 Splitter	VS1204T / VS1208T
7-6	VGA/Audio Cat 5 Receiver with Cascade (1280 x 1024@150m)	VE172R
7-6	VGA/Audio Cat 5 Receiver (1024 x 768@300m) VGA/Audio Cat 5 Receiver with Deskew (1280 x 1024@300m)	VE170R / VE170RQ

Video Switches

8-3	8-Port True 4K HDMI Switch	VS0801HB
8-3	8-Port HDMI Switch	VS0801H
8-4	4-Port True 4K HDMI Switch	VS481C
8-4	4-Port 4K HDMI Switch	VS481B
8-5	4-Port True 4K HDMI Switch with Dual Output	VS482B
8-5	4-Port HDMI Switch with Dual Output	VS482
8-6	3-Port True 4K HDMI Switch	VS381B
8-6	8-Port VGA/Audio Switch with Auto Switching	VS0801A
8-7	2/4-Port VGA/Audio Switch	VS0201 / VS0401
8-7	2/4-Port VGA Switch	VS291 / VS491

Contents

Video Splitters

9-3	2/4-Port True 4K DisplayPort Splitter	VS192 / VS194
9-3	8-Port True 4K HDMI Splitter	VS0108HB
9-4	2/4-Port True 4K HDMI Splitter	VS182B / VS184B
9-4	10-Port 4K HDMI Splitter	VS0110HA
9-5	2/4-Port 4K HDMI Splitter	VS182A / VS184A
9-5	2-Port True 4K HDMI Splitter	VS82H
9-6	2/4-Port DVI Dual Link/Audio Splitter	VS172 / VS174
9-6	2/4-Port DVI/Audio Splitter	VS162 / VS164
9-7	6-Port 3G-SDI Splitter	VS146
9-7	2/4 Port VGA/Audio Splitter (450MHz)	VS0102 / VS0104
9-8	2/4/8-Port VGA Splitter (450MHz)	VS132A / VS134A / VS138A
9-8	2-Port True 4K DisplayPort MST Hub	VS92DP
9-9	2/4/8-Port VGA Splitter (350MHz)	VS92A / VS94A / VS98A

Video Extenders, Video Boosters

10-5	6 x 6 Dante Audio Interface with HDMI	VE66DTH
10-5	True 4K HDMI H.265 over IP Transceiver with PoE	VE8662
10-6	True 4K HDMI over IP Transmitter / Receiver with PoE (True 4K@100m)	VE8962T / VE8962R
10-6	4K HDMI over IP Transmitter / Receiver with PoE (4K@100m)	VE8952T / VE8952R
10-7	4K HDMI over IP Transmitter / Receiver (4K@100m)	VE8950T / VE8950R
10-7	HDMI over IP Transmitter / Receiver (1080p@100m)	VE8900T / VE8900R
10-8	VE8900 / VE8950 Control App	VE8900 / VE8950 Mobile Control App
10-9	True 4K HDMI / USB HDBaseT 3.0 - Lite Transceiver	VE1833
10-10	True 4K HDMI / USB HDBaseT 3.0 Transceiver	VE1843
10-10	True 4K USB HDMI HDBaseT-Lite Extender (True 4K@35m) (HDBaseT Class B)	VE1830
10-11	4-Output PoH/PoE Power Injector	VE44PB
10-11	4K HDMI HDBaseT Receiver with Scaler (4K@100m) (HDBaseT Class A)	VE816R
10-12	HDMI HDBaseT-Lite Receiver with Scaler (1080p@70m) (HDBaseT Class B)	VE805R
10-12	DisplayPort/HDMI/VGA Switch with HDBaseT Transmitter (4K@100m) (HDBaseT Class A)	VE3912T
10-13	HDMI & VGA HDBaseT Transmitter with PoH (4K@100m) (HDBaseT Class A)	VE2812AT
10-13	HDMI HDBaseT Receiver with Audio De-embedding / Bi-directional PoH (4K@100m) (HDBaseT Class A)	VE2812PR
10-14	HDMI HDBaseT Extender with Dual Output (4K@100m) (HDBaseT Class A)	VE814A
10-14	4K HDMI HDBaseT Extender with ExtremeUSB® (4K@100m) (HDBaseT Class A)	VE813A
10-15	HDMI HDBaseT Extender (4K@100m)(HDBaseT Class A)	VE811
10-15	HDMI HDBaseT Extender with PoH (4K@100m) (HDBaseT Class A)	VE1812
10-16	HDMI HDBaseT Extender (4K@100m) (HDBaseT Class A)	VE812
10-16	HDMI HDBaseT-Lite Extender (4K@40m) (HDBaseT Class B)	VE801
10-17	HDMI HDBaseT-Lite Extender with PoH (4K@40m) (HDBaseT Class B)	VE802
10-17	DisplayPort HDBaseT-Lite Extender (4K@40m;1080p@70m) (HDBaseT Class B)	VE901

10-18	DVI HDBaseT-Lite Extender (1080p@70m) (HDBaseT Class B)	VE601
10-18	HDMI & VGA HDBaseT Transmitter with EU / US Wall Plate / PoH (4K@100m)(HDBaseT Class A)	VE2812AEUT / VE2812AUST
10-19	HDMI HDBaseT-Lite Transmitter with EU/ US Wall Plate/PoH (4K@40m) (HDBaseT Class B)	VE1801AEUT/ VE1801AUST
10-19	DisplayPort HDBaseT-Lite Transmitter with EU/ US Wall Plate/PoH (4K@40m) (HDBaseT Class B)	VE1901AEUT/ VE1901AUST
10-20	HDMI/Audio Cat 5 Extender with US / MK Wall Plate (1080p@40m)	VE806 / VE807
10-20	5 x 2 HDMI Wireless Extender (1080p@30m)	VE829
10-21	True 4K HDMI Optical Extender (True 4K@300m (K1, MM) / 10km (K2, SM))"	VE883A
10-21	HDMI Optical Extender (1080p@600m)	VE882
10-22	True 4K HDMI Active Optical Cable (True 4K@10m / 20m / 30m / 60m / 100m)	VE7831A/7832A/7833A/ 7834A/7835A
10-22	True 4K HDMI Active Optical Cable (True 4K@10m / 20m / 30m)	VE781010/VE781020/ VE781030
10-23	4K HDMI Cat 6 Extender (4K@40m)	VE1821
10-23	HDMI Cat 5 Extender (1080p@40m)	VE800A
10-24	HDMI/USB Cat 5 Extender (1080p@40m)	VE803
10-24	HDMI/IR Cat 5 Extender (1080p@40m)	VE810
10-25	DVI Dual Link/Audio Cat 5 Extender (2560 x 1600@40m)	VE602
10-25	DVI/Audio Extender (1920 x 1200@40m)	VE600A
10-26	Mini Cat 5 DVI Extender (1920 x 1200@15m)	VE066
10-26	VGA Cat 5 Extender (1280 x 1024@150m)	VE150A
10-27	VGA/Audio Cat 5 Extender (1024 x 768@300m)	VE170 / VE170Q
10-27	4K DisplayPort Booster (True 4K@10m)	VB905
10-28	True 4K HDMI Booster (True 4K@10m)	VB800
10-28	Video Extender Rack Mount Kit	VE-RMK1U / 2U / 3U

Video Converters

11-4	True 4K HDMI Repeater with Audio Embedder and De-embedder	VC882
11-4	4K HDMI/DVI to HDMI Converter with Audio De-embedder	VC881
11-5	HDMI Repeater Plus Audio De-embedder	VC880
11-5	2-Port 4K HDMI/VGA to HDMI Converter Switch	VC1280
11-6	HDMI to 3G-SDI/Audio Converter	VC840
11-6	HDMI to VGA/Audio Converter with Scaler	VC812
11-7	HDMI to VGA Adapter	VC810
11-7	12G-SDI to HDMI Converter	VC486
11-8	3G-SDI to HDMI/Audio Converter	VC480
11-8	VGA/Audio to HDMI Converter with Scaler	VC182
11-9	VGA/Audio to HDMI Converter	VC180
11-9	VGA to DVI Converter	VC160A
11-10	4K/True 4K Mini DisplayPort/DisplayPort to HDMI Active Adapter	VC981 / VC986 / VC986B
11-10	DisplayPort to VGA/DVI/HDMI Adapter	VC925 / VC965 / VC985
11-11	Mini DisplayPort to VGA/DVI/HDMI Adapter	VC920 / VC960 / VC980
11-11	True 4K HDMI EDID Emulator Adapter	VC081A
11-12	VGA/DVI/4K HDMI EDID Emulator with Programmer	VC010 / VC060 / VC080
11-12	VGA EDID Emulator	2A-130G

| Contents

Audio Products	12-3	4-CH Mic/Line Pre-AMP with DSP and Dante Output	AD400E
	12-3	DSP Mixer with 4-CH Dante Input	AD004E
	12-4	2-CH Mic/Line In/Out Audio Processor with DSP and Dante	AD202E
	12-4	6 x 6 Dante Audio Interface with HDMI	VE66DTH
	12-5	60W Mono Hi-Z Power Amplifier	AP106
	12-5	2 x 60W / 2 x 120W Power Amplifier with DSP	AP206 / AP212
	12-6	2-CH Dante Expansion Card for AP Series	AP901
	12-6	2-CH Mic/Line Pre-AMP Expansion Card for AP Series	AP902
	12-6	4" / 6.5" / 8" Coaxial Ceiling Loudspeaker	AS104/AS106/AS108
Multi-View KVMP Switches	13-2	4-Port USB 4K HDMI Multi-View KVMP™ Switch	CM1284
	13-2	4-Port USB DVI Multi-View KVMP™ Switch	CM1164A
Cables	14-2	300 m HDBaseT 3.0 U/FTP Cat 6A Cable	2L-29330
	14-2	305 m HDBaseT SF/UTP Cat 6 Cable	2L-2910
	14-3	305 m Low Skew Cat 5e Cable	2L-2801
	14-3	1.8 m Ultra High Speed HDMI Cable	2L-7D02H21
	14-4	High Speed HDMI Cable with Ethernet (0.3, 0.6, 1, 2, 3, 5 m)	2L-7DA3H / 2L-7DA6H / 2L-7D01H / 2L-7D02H-1 / 2L-7D03H / 2L-7D05H-1 / CA101 / CA102 / CA103
	14-4	High Speed HDMI Cable with Ethernet (5, 10, 15, 20 m)	2L-7D05H / 2L-7D10H / 2L-7D15H / 2L-7D20H
	14-5	Cables	
Accessories	15-1	LockPro™ - HDMI Cable Lock	2X-EA12
	15-1	Accessories	

ATEN Unizon™ Global AV Management Platform



ATEN Unizon™ is a server-based software for remote centralized monitoring, control, and management of Ethernet-based ATEN Video Matrix Switches, ATEN Room Booking System, and 3rd party devices (such as projectors, lights, and AV devices) connected to ATEN Control System Controllers.

By providing real-time access to device status, the platform streamlines daily AV/IT management, troubleshooting, analytics, and automation, making it the perfect solution to manage mass device deployments.

Your Power to Monitor, Control, Manage

1

Management Software



Device Status and Condition Monitoring

Monitor device conditions and instantly get alerted to potential issues for immediate troubleshooting and maintenance.



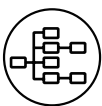
Analytics and Customized Reports

Past usability records are organized into insightful analytics for future optimization to avoid potential failures and automatically emails of reporting rules can be set to keep users informed at all times.



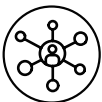
Global Control and Scheduling

Perform routine tasks by schedule or predefined scenario control triggered by actions from the ATEN Room Booking System.



Device Management and Location Tree

- Improve AV/IT management by control devices and automate routine tasks.
- Intuitive location of devices by 5-level organization tree from room, floor, building, and even by city.
- Perform SW and FW updates across multiple devices simultaneously.



User Access Permission

- Define user roles and respective permission access levels on a room-by-room basis.
- Admins are allowed to configure settings on Unizon, such as user permission, device controls, device automation events, or create locations.
- Users are only allowed to see device status and displayed data to prevent accidental deletion of settings.

ATEN Unizon™

Global AV Management Platform



GOOD DESIGN
AWARD 2022

Features

- Centralized device monitoring, control, and management
 - ATEN Video Matrix Switches, Room Booking System, Control System solutions, including the managed third-party devices
 - Detection of device statuses, such as lamp hour of a projector and connection status for remote troubleshooting and maintenance
 - Batch device control and firmware upgrades
- Predefined scenarios for automation and task scheduling
 - Provide meeting scenarios to choose and triggers actions from controllers
 - Automatically turn on / off lights, air-con, meeting room devices based on predefined actions
- Dashboard for current status and analytics– Current status info for real-time troubleshooting
 - Analytics of past usage records for future optimization



Room Booking System



Tailored for all types of hybrid workplaces, ATEN Room Booking System contains VK430 the RBS panels, RBS Configurator the centralized configuration software, VR610 the information players, as well as add-on accessories VK401 that serve as an extension of the existing access control system for maximizing space efficiency, delivering information, elevating brand awareness, and enhancing access control.

All the GUIs are intuitive to allow users to make conference room reservations, extend or release room usage within a few taps on the screen. What's more, the content showed on the display terminals (organization logos, text, images, videos, screen layouts, and more) is customizable to help enhance brand identity. Meanwhile, ATEN Room Booking System works perfectly with Unizon™ to provide room scenarios for automating the predefined actions of in-room devices to increase efficiency. Real-time usage of rooms is also recorded and presented on the Dashboard in Unizon, which allows for prompt maintenance and better space management.

ATEN Room Booking System works perfectly with Unizon by providing room scenarios for automating the predefined actions of in-room devices to increase efficiency. Real-time usage of rooms is also recorded and presented on the Dashboard in Unizon, which allows for prompt maintenance and better space management.

Why choose the ATEN Room Booking System?



Room Status in List/Map Views

RBS infoPlayer collects and organizes room status in list view for detailed meeting information and map view for visualizing locations.



Customizable Interface Design

With its intuitive interface, ATEN RBS allows users to easily add their organization's logo, enhancing brand identity and ensuring consistent branding.



Real-time Synced Google/Microsoft Calendar

ATEN RBS seamlessly integrates with leading calendar platforms, automatically synchronizing reservations across devices connected to email systems. Supported calendar platforms: Microsoft 365, Microsoft Exchange, Google Workspace.



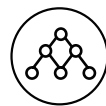
Allows 3rd Party Integration by CLI

ATEN RBS offers an Open API, enabling seamless integration with 3rd party systems, such as building management systems and video conferencing platforms, to enhanced versatility and flexibility.



Supports Cards & PIN Code Access

Manage employee data seamlessly with ATEN Unizon. Simply check in at the start of each meeting or sign in to record attendance by scanning cards or entering PIN codes. You'll receive an automatic attendance sheet immediately after the meeting.



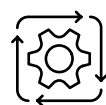
Real-time Dashboard/Analytics on ATEN Unizon

With ATEN Unizon integration, all RBS panels and infoPlayer can be intuitively managed on a single platform. This includes monitoring room status, accessing room utilization analysis through the dashboard, managing device connections, updating software, and controlling access.



Releases Rooms Unused and Helps Find Rooms Available

To optimize asset utilization, ATEN RBS allows users to end meeting early or automatically releases the rooms in a no-show meeting. It also helps users find the rooms the best match with their needs.



Automation Control for In-room Devices

Choose from 5 automation scenarios on ATEN Unizon to automatically trigger in-room devices' on/off functions. Scenarios include starting a meeting, ending a meeting, during the reserved time, before the meeting ends, and auto-release, ensuring smoother and more efficient meetings.

VK430

10.1" RBS Panel



Features

- Integrates with calendar servers, such as Microsoft 365 Calendar, Google Workspace Calendar, and Microsoft Exchange Server
- Central management through ATEN Unizon to allow administrators to monitor managed devices in real time, generate room usage analyses, and update app in batch
- Allows TCP protocol for third-party system integration
- Supports Power over Ethernet (PoE) for power and communication, and LED light bars for room availability at a glance, and VK401 Access Inspector for room permission control
- Works with VR610 RBS infoPlayer to give users a glimpse of room status and floor plan through the VR610-connected displays

Front



Rear



VK401

Access Inspector

Features

- Contactless access control with high levels of security and hygiene
- An add-on compact accessory to work with ATEN VK430 RBS Panel and VK330 Touch Panel
- Supports multiple standards — ISO 14443A/B and ISO 15693
- Ensures secure authorization for room booking and control applications



VR610

RBS infoPlayer

Features

- Connects to VK430 RBS panels to show room availability and the organization's news/announcements in an overview in real-time on a display connected to VR610 via HDMI
- Displays room booking status in two formats -
 - List View - displays reservation details in an easy-to-read list
 - Map View - visualizes the location of each room to help users navigate through the spaces easily
- Content displayed (logos, text, images, videos, web pages, and screen layouts) customizable via RBS Configurator or remotely via VR610's HDMI-in signals
- Powerful dual-CPU - performs multiple tasks simultaneously, including inter-communication with RBS Configurator and RBS Panels and displaying room booking status and multimedia sources



Front



Rear



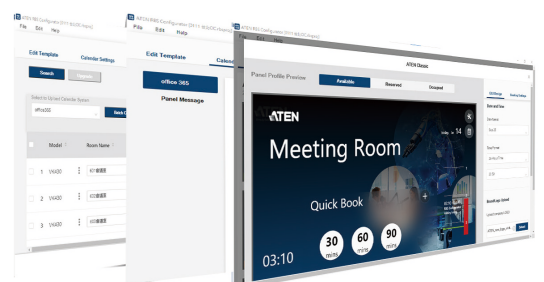
Configurator Software

RBS Configurator



Features

- Easy configuration via intuitive GUI
 - Profile setup (logo, background, calendar layout, etc.)
 - System settings (language, sleep mode brightness, volume, etc.)
 - VK430 RBS Panels and VR610 RBS infoPlayer management (firmware updates, profile uploads, etc.)
- Simulator to simulate and preview the customized GUI before uploading
- Flexible booking options are available for different application scenarios and user preferences
- Flexibly choose identity checkup methods by PIN code or employee card
- Supports mainstream calendar servers, such as Microsoft 365 Calendar, Google Workspace Calendar and Microsoft Exchange Server



Control System



The ATEN Control System is a standard Ethernet-based solution that connects all the hardware devices in a room to provide intuitive control from any ATEN Control System interface. Together with ATEN Unizon™, it offers a secure and highly scalable platform for centralized server-based monitoring, control, and management of devices located in a single room to floors or even across buildings.

The solution can be easily deployed into an existing installation and integrates seamlessly with ATEN Pro AV products, 3rd party AV equipment, lighting systems, air conditioning, motion sensors, power switches, and much more.

It is ideal for meeting rooms, conference centers, boardrooms, classrooms or any room that requires collaboration of a variety of hardware devices via streamlined management for optimum efficiency and performance.

Why choose the ATEN Control System?



Intelligent Control

Your devices can interact and respond to each other intelligently through pre-programmed actions to perform a fully automated series of advanced operations.



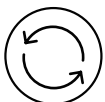
Simplified Configuration

Easily set up control patterns without extensive programming knowledge and decrease time spent on manual configuration with our advanced device drivers.



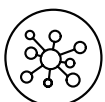
ATEN Control System Integration with Open API

Third-party controllers and software are integratable with ATEN Control System via Open API to add greater flexibility and efficiency to collaboration.



Real-time Synchronization

Actual equipment status is synchronized in real-time across all control interfaces, enabling conflict-free control among multiple users simultaneously.



Effortless Expansion

Highly expandable with a wide range of ATEN expansion boxes, a database of 10,000+ device drivers, and support for popular control standards and protocols including KNX, Telnet, TCP, UDP, HTTP, HTTPS, ONVIF, and PJLink.



On-the-Go Control

Support for iOS, Android and Windows mobile devices facilitates centralized control of different rooms via user-defined profiles with simple point-n-tap operations.

2nd Generation of Controller Highlights

The latest generation of the ATEN Control System is designed with major enhancements to satisfy even the most complex of setups, and includes:

- **More Processing Power**

14 times more computing power for faster processing speed support more complex projects.

- **Higher Level of Security**

Features dual LAN design and supports secure communication protocols such as HTTPS and SSH.

- **Major Software Upgrades**

Provides advanced drivers with bi-directional control and feedback as well as ready-to-use graphic templates and video preview objects.

- **Easier Integration Capability**

Access to ATEN open API for effortless integration with 3rd party systems or software.

- **Centralized Management**

Enables centralized control and management of devices in a single room to floors or even across buildings with ATEN Unizon™.

- **Integration Partners**

ATEN collaborates with professional AV partners to provide complete solutions for applications of all sizes.

ATEN Control System Comparison

	VK2200	VK1200	VK2100A	VK1100A	VK0200	VK0100
Controller	ATEN Control System - Control Box Gen. 2 with Dual LAN	ATEN Control System - Compact Control Box Gen. 2 with Dual LAN	ATEN Control System - Control Box Gen. 2	ATEN Control System - Compact Control Box Gen. 2	ATEN Control System - 12-button Control Pad (EU, 2 Gang)	ATEN Control System - 8-button Control Pad (US, 1 Gang)
Serial	8	2	6	2	2	2
IR / Serial	8	2	4	2	N/A	N/A
Relay	8	4	4	4	2	2
Digital I/O	8	2	4	2	1	1
Max. Devices Connected via Ethernet	64	64	25	25	8	8
Max. No. of Connections (Viewers & Keypad)	32	32	16	16	10	10
DC Power Supply	12V, 2A	12V, 1A	12V, 2A	12V, 1A	N/A	N/A
Mounting	N/A	N/A	N/A	N/A	EU, 2 Gang	US, 1 Gang
Min. Number of Buttons	N/A	N/A	N/A	N/A	6	4
Max. Number of Buttons	N/A	N/A	N/A	N/A	12	8
Layout Combinations	N/A	N/A	N/A	N/A	125	14
Dual Power	N/A	N/A	N/A	N/A	✓	✓
Ethernet	✓	✓	✓	✓	✓	✓
Dual LAN	✓	✓	N/A	N/A	N/A	N/A
PoE	N/A	N/A	N/A	N/A	✓	✓
USB Profile Upload	✓	✓	✓	✓	N/A	N/A
IR Learning	✓	✓	✓	✓	N/A	N/A

ATEN Control System Comparison

	VK224	VK236	VK248	VK258	VK211
Expansion Box	4-Port Serial Expansion Box	6-Port IR/Serial Expansion Box	8-Channel Relay Expansion Box	8-Channel Digital I/O Expansion Box	RS-232/Contact to USB Keyboard Converter
Serial	4	N/A	N/A	N/A	N/A
IR / Serial	N/A	6	N/A	N/A	N/A
Relay	N/A	N/A	8	N/A	N/A
Digital I/O	N/A	N/A	N/A	8	N/A
Dual Power	✓	✓	✓	✓	N/A
Ethernet	✓	✓	✓	✓	N/A
PoE	✓	✓	✓	✓	N/A
Learn Function	N/A	N/A	N/A	N/A	✓
Control	N/A	N/A	N/A	N/A	RS-232, Contact Closure
Console Interface	N/A	N/A	N/A	N/A	USB

	VK330	VK320
Touch Panel	10.1" Touch Panel	8" Touch Panel
Panel Size	10.1"	8"
Firmware Upgradable	✓	✓
Multilingual Support	✓	✓
Dual Power	✓	✓
Ethernet	✓	✓
PoE	✓	✓
Custom Configuration	✓	✓

	VK112EU	VK108US
Keypad	ATEN Control System - 12-button Keypad (EU, 2 Gang)	ATEN Control System - 8-button Keypad (US, 1 Gang)
Mounting	EU, 2 Gang	US, 1 Gang
Min. Number of Buttons	6	4
Max. Number of Buttons	12	8
Layout Combinations	125	14
Dual Power	✓	✓
Redundant Power	✓	✓
Ethernet	✓	✓
PoE	✓	✓

VK2200

Control Box Gen. 2 with Dual Lan



Innovation Awards
TECHNOLOGY FINALIST 2022



Features

- High performance processor embedded with quad-core CPU and 2 GB memory for designing and controlling complex projects
- Dual, isolated LAN for secured communication among IT devices
- LCD display shows the option for configuration and information display
- Supports centralized control and management by ATEN Unizon™

Front



Rear



VK1200

Compact Control Box Gen. 2 with Dual Lan



Features

- High performance processor embedded with quad-core CPU and 1 GB memory for designing and controlling complex projects
- Dual, isolated LAN for secured communication among IT devices
- LCD display shows the option for configuration and information display
- Supports centralized control and management by ATEN Unizon™

Front



Rear



VK2100A

Control Box Gen.2



Features

- High-performance processor embedded with quad-core CPU and 1GB memory for designing and controlling complex projects
- USB port for easy project upload
- IR learning function for adding IR device drivers
- Supports centralized control and management by ATEN Unizon™

Front



Rear



VK1100A

Compact Control Box Gen.2



Features

- High-performance processor embedded with quad-core CPU and 512MB memory for designing and controlling complex projects
- USB port for easy project upload
- IR learning function for adding IR device drivers
- Supports centralized control and management by ATEN Unizon™

Front



Rear



VK0200

12-Button Control Pad (EU, 2 Gang)



GOOD DESIGN
AWARD 2022

Features

- Fully-customizable 12-button Control Pad that integrates a controller with a keypad
- Supports various control interface connections: 2x RS-232 ports, 2x relay channels, 1x digital input, and 1x Ethernet port
- 125 layout combinations of 6 to 12 buttons
- Available in black or white color



VK0100

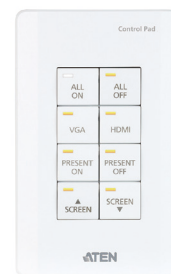
8-Button Control Pad (US, 1 Gang)



GOOD DESIGN
AWARD 2022

Features

- Fully-customizable 8-button Control Pad that integrates a controller with a keypad
- Supports various control interface connections: 2x RS-232 ports, 2x relay channels, 1x digital input, and 1x Ethernet port
- 14 layout combinations of 4 to 8 buttons
- Available in black or white color



VK224

4-Port Serial Expansion Box



Features

- An Ethernet-to-serial box ships with 4 bi-directional RS-232/422/485 serial ports
- Supports Power over Ethernet (PoE) or DC power supply
- Supports Open API for third-party system integration
- An expansion solution for connecting more serial devices to ATEN Control System

Front



Rear



VK236

6-Port IR/Serial Expansion Box



Features

- An Ethernet-to-IR / serial box ships with 6 IR / serial ports
- Supports Power over Ethernet (PoE) or DC power supply
- Supports Open API for third-party system integration
- An expansion solution for connecting more IR / serial devices to ATEN Control System

Front



Rear



VK248

8-Channel Relay Expansion Box



Features

- An Ethernet-to-relay channel box ships with 8 channels of relay output
- Supports Power over Ethernet (PoE) or DC power supply
- Supports Open API for third-party system integration
- An expansion solution for connecting more relay channels to ATEN Control System

Front



Rear



VK258

8-Channel Digital I/O Expansion Box



Features

- An Ethernet-to-digital I/O box ships with 8 channels of digital input / output
- Supports Power over Ethernet (PoE) or DC power supply
- Supports Open API for third-party system integration
- An expansion solution for connecting more digital I/O devices to ATEN Control System

Front



Rear



VK211

RS-232/Contact to USB Keyboard Converter



GOOD DESIGN
AWARD 2022

Features

- Convert RS-232/Contact-In to USB keyboard signal
- Learning mode makes it easy to capture hotkeys and restore them to pre-configured macros
- Complete RS-232 command set for standard USB keyboards
- Priority button for remote access control



Front



Rear



VK330

10.1" Touch Panel



Features

- 10.1" touch panel
- Natively installed ATEN Control System app and designed for the integrated use with the ATEN Control System
- Supports Power over Ethernet (PoE), which allows it to receive power and communication over a single Ethernet cable
- Flexible installation and available for the additional wall mount kit (ATEN VK302) and tabletop kit (ATEN VK304), as well as compatible for any standard VESA 75 x 75 mm mounts

VK330



VK304 (Tabletop Kit)



VK401



VK330+VK304+VK401



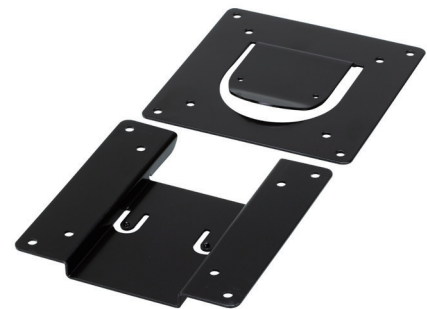
The Touch Panel VK330, the Tabletop Kit VK304, and the Access Inspector VK401 are sold separately

VK302

Wall Mount Kit

Features

- Compatible with the ATEN 10.1" Touch Panel
- Detachable design for easy mounting
- Saves the space



VK304

Tabletop Kit (75 x 75 mm)

Features

- Compatible with the ATEN 10.1" Touch Panel
- Provides adjustable viewing angle and height

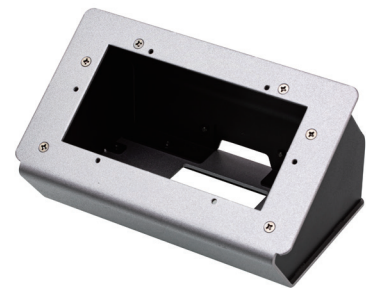


VK102

Tabletop Kit (EU, 2-Gang)

Features

- Supports ATEN VK0200 / VK112EU key pad series, VK320 touch panel, VE2812AEUT transmitter, and all the 3rd party EU/MK type devices
- Tilts devices at an ergonomic angle for effortless operations and cable connection
- Supports desk / wall mounting, with screw holes that assure secure attachment to the surface
- Anti-slip rubber at the bottom provides extra grip



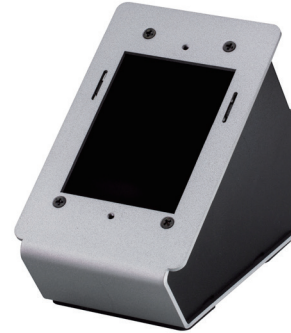
VK101

Tabletop Kit (US, 1-Gang)

Features

- Supports ATEN VK0100* / VK108US* keypad series, VK320 touch panel, VPK104 remote control pad, VE1801AUST transmitter, and 3rd party US-type devices
- Tilts devices at an ergonomic angle for effortless operations and cable connection
- Supports desk / wall mounting, with screw holes that assure secure attachment to the surface
- Anti-slip rubber at the bottom provides extra grip

Note: When the VK0100 / VK108US is mounted on the VK101, power is supplied only through PoE.



VK320

8" Touch Panel

Features

- 8" touch panel with narrow bezel modern design
- Natively installed ATEN Control System app and designed for the integrated use with the ATEN Control System
- In-wall design – perfectly fits in building decoration
- Integrated with 86-type junction box and suitable for flexible placement in either horizontal or vertical orientation



VK102 is sold separately

VK112EU

12-Button Keypad (EU, 2 Gang)



Features

- Keypad - provides physical connection to the ATEN Control System
- Fully customizable with 125 layout combinations of 6 to 12 buttons; customized button engraving service
- Easy ID pairing with Control Box for Ethernet communication
- Available in black or white color



3

Control System

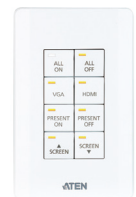
VK108US

8-Button Keypad (US, 1 Gang)



Features

- Key pad - provides physical connection to the ATEN Control System
- Fully customizable with 14 layout combinations of 4 to 8 buttons; customized button engraving service
- Easy ID pairing with Control Box for Ethernet communication
- Available in black or white color



VK6000 Configurator Software



Features

- Simple profile setup with easy configuration steps via intuitive GUI
- Custom design the GUI and controls to use on mobile devices and tablet computers
- Built-in Database Generator for device driver setup and overall device management
- Supports Telnet, TCP, ONVIF, and PJLink protocols for controlling IP-based devices over a network



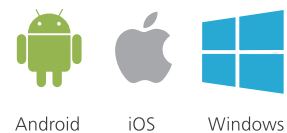
Mobile App

Features

- Allows administrators central control of multiple rooms via profiles on a mobile device or tablet computer
- Restrict user access to profiles via password authentication
- Synchronization of system controls amongst multiple mobile devices and tablet computers
- Any iOS, Android, or Windows mobile device can be used to control the system – no need to purchase costly exclusive user panels



ATEN Control System Mobile App



ControlAssist

Features

- Remote PC Control function
- Remote PC shutdown*
- Remote browsing and control of media files
- Remote preview and control of PowerPoint files
- Remote PC volume control
- Remote execution of programs
- Remote opening of files and URLs



Presentation Switches



ATEN multi-in-one presentation switches are available in a variety of configurations with extensive AV transmission, conversion, and processing capabilities, which remove the need for numerous individual components and eliminate compatibility challenges during setup.

This series features user-centric control methods including front-panel pushbuttons with intuitive OSD, Web GUI, a mobile app, and remote pad, as well as IR, RS-232, and Ethernet for control integration that streamlines user operations. In addition, the ATEN wireless BYOD solution enables anyone, including visitors, to easily share content from any laptop or mobile device so participants can actively collaborate for enhanced, efficient workflows. All models are tailor-made with unique features to satisfy application demands from simple presentation source switching to advanced collaboration and remote participation in any corporate or education space.

PresentON™ Series

• BYOD Wireless Sharing Without Limitations

Wirelessly share BYOD presentation content with ATEN software on PC, mobile apps, and web pages; compatible with Airplay*, and Google Cast* for unlimited sharing and collaboration.

• Get Control On Your Side with USB Touch Back

USB Touch Back can control remote laptops with a mouse or whiteboard, allowing the speaker to take the lead in meetings and be more efficient without having to move about just to access devices.

Note: The information contained is the property of ATEN International Co. LTD or their respective owners. All rights reserved.

AirPlay® is a trademark of Apple Inc., registered in the U.S. and other countries and regions. Google Cast™ is a trademark of Google LLC.

Any other brand names or marks are used for compatibility description only and are trademarks or registered trademarks of their respective owners.

All-in-one Series

• Presentation Matrix Switch with Smart Control and AV Integration

Multiple control options such as front-panel pushbuttons, IR, RS-232 and a web-based GUI to enable control over AV devices, with flexible source management via function keys and automatic source detection. Plus, it features audio DSP, amplifier, and HDBaseT™ to deliver near-perfect visual symmetry and sound quality.

• Seamless Switch™ and 4K Scaler

Employs an FPGA matrix architecture for continuous video streams, real-time control, and stable signal transmissions, while the 4K scaler converts various input resolutions to various output resolutions, ensuring the best picture quality across two displays.

Collaborative Series

• Seamless Switch™ for Ultra Smooth Transitions

Supports Multi-view functionality to display multiple video content sources on a single screen in various layouts to enhance effective teamwork and decision-making. The series also enables real-time control and zero-delay switching among multiple sources for interrupted experiences while transitioning from one presentation source to another.

• Bi-directional Streaming for Remote Sharing

Flexibly share presentation content wirelessly via the VP Web GUI and Mobile App with any mobile device from anywhere on the intranet.

Core Series

• Compact Solution in One Enclosure with up to True 4K, HDR video quality

The Core Series features models with up to 4K and True 4K resolutions that support popular HDR formats, delivering more vivid and vibrant video and integrating additional AV processing capabilities, such as HDBaseT connectivity, audio mixing, and microphone support, to minimize your setup efforts and total cost of ownership.

• Multi-format AV Interface Support

Provides diverse legacy and modern AV interfaces including HDMI, DisplayPort, VGA, HDBaseT, Component/Composite video with support for Stereo, Coaxial, Toslink, and Optical audio outputs, giving you the connections you need.

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

Presentation Switches Comparison

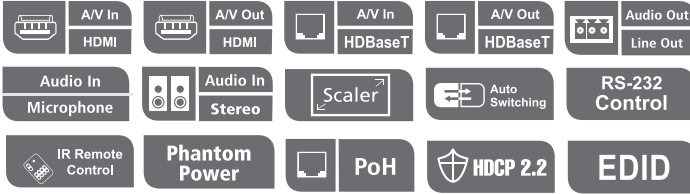
Series	All-in-One Series	PresentON Series			Collaborative Series			Core Series		
	VP3520	VP2021	VP2020	VP2730	VP2420	VP2120	VP1920	VP1421	VP1420	
Model	5 x 2 True 4K Seamless Presentation Matrix Switch with Control	4K Wireless Presentation Switch with Quad View	4K Wireless Presentation Switch	7 x 3 Seamless Presentation Matrix Switch with Scaler, Streaming, Audio Mixer, and HDBaseT	4 x 2 True 4K HDMI Presentation Switch with Multi View	Seamless Presentation Switch with Quad View Multistreaming	9 x 2 4K Presentation Matrix Switch	4 x 2 True 4K Presentation Matrix Switch with Scaler, DSP, and HDBaseT-Lite	4 x 2 True 4K Presentation Matrix Switch	
Input Port	5	N/A	N/A	7	4	1	9	4	4	
Output Port	2	2	2	3	2	2	2	2	2	
Audio	HDMI, Stereo Audio, Microphone, HDBaseT, Toslink, Line Out	3.5mm TRS	3.5mm TRS	HDMI, Stereo Audio, Balanced Audio, Toslink/Coaxial/Stereo, Microphone	HDMI, Stereo/Coaxial	HDMI, Stereo Audio, Microphone	HDMI, Stereo Audio, Toslink/Coaxial/Stereo, Component, Composite	HDMI, Stereo Audio, Microphone, HDBaseT, Toslink, Line Out	HDMI, Stereo Audio, Line Out	
Output Interface	HDMI, HDBaseT	HDMI, VGA	HDMI, VGA	HDMI, HDBaseT	HDMI	HDMI	HDMI	HDMI, HDBaseT	HDMI	
Input Interface	HDMI, VGA, HDBaseT	N/A	N/A	HDMI, VGA, DisplayPort	HDMI	HDMI	HDMI, VGA, DisplayPort, Component, Composite	HDMI, VGA, HDBaseT	HDMI, VGA	
Control	IR, RS-232, Ethernet, Contact Closure	Ethernet	Ethernet	IR, RS-232, Ethernet	IR, RS-232, Ethernet	IR, Ethernet	IR, RS-232	IR, RS-232, Ethernet, Contact Closure	IR, RS-232, Ethernet, Contact Closure	
EDID Support	✓	N/A	N/A	✓	✓	✓	✓	✓	✓	
Scaler	✓	N/A	N/A	✓	✓	✓	N/A	✓	✓	
Wireless	N/A	✓	✓	N/A	N/A	N/A	N/A	N/A	N/A	
USB Touch Panel	N/A	✓	✓	N/A	N/A	N/A	✓	N/A	N/A	
USB Peripheral	N/A	✓	✓	N/A	N/A	N/A	✓	N/A	N/A	
Seamless Switch	✓	N/A	N/A	✓	✓*	✓	N/A	N/A	N/A	
Auto Switching	✓	N/A	N/A	✓	✓	N/A	✓	✓	✓	
Ethernet	N/A	✓	✓	N/A	N/A	N/A	N/A	N/A	N/A	
PoH	✓	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A	
PoE	N/A	✓	✓	N/A	N/A	N/A	N/A	N/A	N/A	
Audio De-Embedder	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Audio Embedder	✓	N/A	N/A	✓	✓	N/A	N/A	✓	✓	
Audio Mixer	✓	N/A	N/A	✓	N/A	✓	N/A	✓	N/A	
Go Live	N/A	N/A	N/A	✓	N/A	✓	N/A	N/A	N/A	
Streaming in	N/A	N/A	N/A	✓	N/A	•	N/A	N/A	N/A	
Phantom Power	✓	N/A	N/A	✓	N/A	N/A	N/A	✓	N/A	
Audio DSP	✓	N/A	N/A	✓	N/A	✓	N/A	✓	N/A	
Multiview	N/A	✓	✓	✓	✓	✓	N/A	N/A	N/A	
Whiteboard	N/A	✓	N/A	N/A	N/A	✓	N/A	N/A	N/A	
Chat Room	N/A	N/A	N/A	✓	N/A	✓	N/A	N/A	N/A	
Moderator Mode	N/A	✓	✓	✓	N/A	N/A	N/A	N/A	N/A	
USB Touch Back	N/A	✓	✓	N/A	N/A	N/A	N/A	N/A	N/A	
Remote View	N/A	✓	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Max. Resolution	3840 x 2160 @ 60Hz (4:4:4), 4096 x 2160 @ 30Hz (4:4:4)	3840 x 2160 @ 30Hz	3840 x 2160 @ 30Hz	HDMI/DP: Up to 1080p@60Hz VGA/Analog: Up to 1920x1200@60Hz	3840 x 2160 @ 60Hz (4:4:4), 4096 x 2160 @ 60Hz (4:4:4)	1920 x 1080	HDMI: Up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4) VGA: Up to 1080p@60Hz HDBaseT: Up to 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4) DP: Up to 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4) VGA/Analog: Up to 1920x1200@60Hz	HDMI: Up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4) VGA: Up to 1080p@60Hz HDBaseT: Up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4) VGA: Up to 1080p@60Hz	HDMI: Up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4) VGA: Up to 1080p@60Hz	
HDCP	HDCP 2.2	N/A	N/A	HDCP 1.4	HDCP 2.2	HDCP 1.4	HDCP 1.4	HDCP 2.2	HDCP 2.2	
Max. Number of Sources	N/A	4	2	N/A	N/A	N/A	N/A	N/A	N/A	
Multi-View	N/A	Quad View	PbP	PIP, PbP, Triple View, Quad View, Sextuple View	PIP, PbP, Triple View, Quad View	N/A	N/A	N/A	N/A	
Connectivity Methods	N/A	ATEN Wireless Presentation Switch App, Web Browsers, AirPlay™, Google Cast®	ATEN Wireless Presentation Switch App, Web Browsers, AirPlay™, Google Cast®	N/A	N/A	N/A	N/A	N/A	N/A	
Number of Simultaneous Connections	N/A	Up to 20	Up to 8	N/A	N/A	N/A	N/A	N/A	N/A	

	VPK312	VPK104
Control Interfaces	12-Key Network Remote Pad (EU, 2 Gang)	4-Key Contact Closure Remote Pad
Control	Ethernet	Contact Closure
Power Redundancy	✓	N/A
Custom Configuration	✓	N/A
Mounting	EU, 2 Gang	US, 1 Gang
Keypad Layout	12 buttons	4 buttons
Number of Keys	12	4
Compatible VP models	VP2730	VP1420, VP1421

Note: The function is only available on Display A and applicable to single port switching. Multiview layout switching is inapplicable.

VP3520

5 x 2 True 4K Seamless Presentation Matrix Switch with Control



Features

- Superior video quality – True 4K resolutions up to 4096 x 2160 @ 60 Hz (4:4:4) (HDMI) / 4096 x 2160 @ 60 Hz (4:2:0) (HDBaseT)
- 4K Scaler – features a 4K video scaler to convert input resolutions to the optimum display resolutions
- Auto display on / off control – supports display control through CEC, IR, RS-232, PLink and controls projector screen through relay port
- Audio amplifier – 2 x 10 W built-in power amplifier with speaker outputs on terminal block connectors

Front

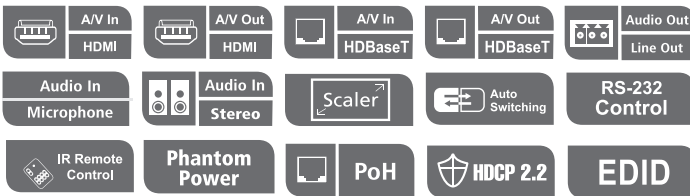


Rear



VP2420

4 x 2 True 4K Presentation Matrix Switch with Multi View



Features

- Builds in Multi-viewer, Matrix output
- Input / Output resolution up to true 4K (3840 x 2160 / 4096 x 2160)
- Provides Audio de-embedding (analog & digital)
- True 4K scaler & Seamless Switching

Front



Rear



VP2021

4K Wireless Presentation Switch with Quad View



OS Support Windows, macOS, iOS, Android	A/V Out HDMI	PoE	Collaboration Tools	USB Touch Back
Moderation Mode	Split Screen Projection			

Features

- Multi-view presentation – up to four sources can be shared wirelessly in full screen / side-by-side / quad view layout
- Moderation Mode – the moderator can manage and control team members’ connection status and the AV content being displayed
- Multiple collaboration tools – annotation, whiteboard on screen, and screen capturing
- USB touch back – allows for seamless operation of a presentation directly from a connected touch screen or mouse
- Compatible with popular operating systems, including AirPlay1, Google Cast1, and Chrome, Android, iOS App for wireless content sharing

*The information contained is the property of ATEN International Co. LTD or their respective owners. All rights reserved. AirPlay® is a trademark of Apple Inc., registered in the U.S. and other countries and regions. Google Cast™ is a trademark of Google LLC. Any other brand names or marks are used for compatibility description only and are trademarks or registered trademarks of their respective owners.

Front



Rear



VP2020

4K Wireless Presentation Switch



OS Support Windows, macOS, iOS, Android	A/V Out HDMI	PoE	USB Touch Back	Moderation Mode
Split Screen Projection				

Features

- Compatible with popular operating systems, including AirPlay1, Google Cast1, and Chrome, for wireless content sharing
- Multi-view presentation – up to two sources can be shared wirelessly in full screen / side-by-side layout
- Moderation Mode – the moderator can manage and control team members’ connection status and the AV content being displayed
- USB touch back – allows for seamless operation of a presentation directly from a connected touchscreen or mouse

Front

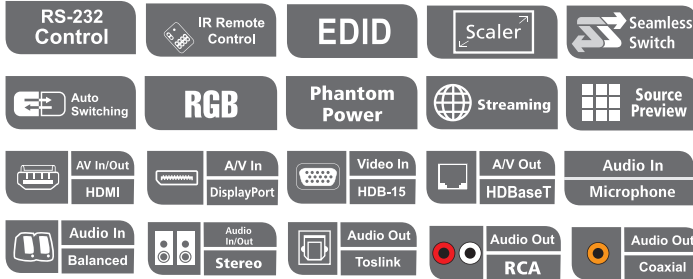


Rear



VP2730

7 x 3 Seamless Presentation Matrix Switch with Scaling, Streaming, Audio Mixer, and HDBaseT



Front



Rear



Features

- Ultra Seamless Switching with Scaler – zero second switching without any latency while scaling for the best output resolution ensures extra smooth presentations
- Bi-directional Distance-free Streaming – Go live to stream out HD video to up to 5 remote sites or stream in content from a remote site via an intuitive web GUI
- Built-in Audio Mixer – supports dynamic/condenser microphone input with selectable 48V Phantom Power and allows mic input to be mixed with program audio
- Multi-view Flexibility – display and switch simultaneously up to six sources on PiP (picture in picture) PbP (picture by picture), quad-view, and more

VP2120

Seamless Presentation Switch with Quad View Multistreaming



Front



Rear

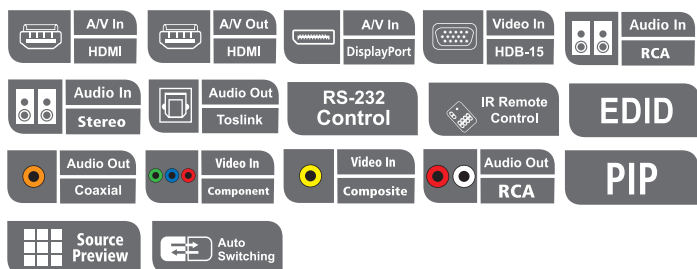


Features

- Supports ATEN Video Presentation Control App for convenient collaboration and meeting presentations control using your mobile device
- Bi-directional wireless content streaming of up to 4 participants simultaneously with quad-view support
- Built-in Audio DSP – mixes Mic input and HDMI input for HDMI or audio output
- Advanced online idea-sharing functions – Whiteboard, Chat Room, File Sharing, Group Broadcasting, and Video Capture

VP1920

9 x 2 4K Presentation Matrix Switch



Features

- Multi-format AV Switching – switch among 1 HDBaseT, 2 HDMI and 1 VGA inputs to 1 HDBaseT and 1 HDMI outputs and support of audio DSP
- Superior video quality – True 4K resolutions up to 4096 x 2160@60Hz (4:4:4) (HDMI) / 4096 x 2160@60Hz (4:2:0) (HDBaseT); HDR support
- Source preview – quickly identifies and switches to the target content
- USB ports enable keyboard/mouse or touch panel control over the connected computers
- Control focus for keyboard/mouse and USB peripherals can be individually switched to a designated computer source

Front

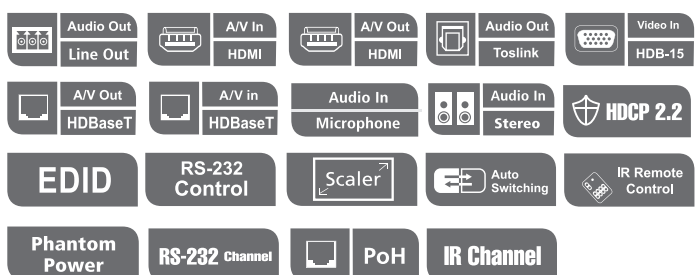


Rear



VP1421

4 x 2 True 4K Presentation Matrix Switch with Scaling, DSP, and HDBaseT-Lite



Features

- Multi-format AV Switching – switch among 1 HDBaseT, 2 HDMI and 1 VGA inputs to 1 HDBaseT and 1 HDMI outputs and support of audio DSP
- HDBaseT-Lite technology – extends uncompressed AV, IR, RS-232, and power over one Cat 6/6a cable up to 70m
- Superior video quality – True 4K resolutions up to 4096 x 2160@60Hz (4:4:4) (HDMI) / 4096 x 2160@60Hz (4:2:0) (HDBaseT); HDR support
- Scaler – supports video upscaling to 4K for display A and downscaling to 1080p for display B
- Built-in Audio DSP – supports microphone input with selectable 48V Phantom Power and allows microphone input to be mixed with program audio and embedded into display output

Front

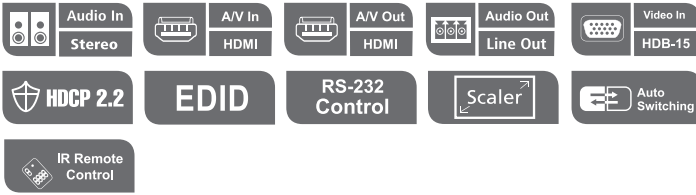


Rear



VP1420

4 x 2 True 4K Presentation Matrix Switch



Features

- Analog/Digital AV Matrix Switching – switch among 3 HDMI and 1 VGA inputs to 2 HDMI outputs and support of audio embedding/de-embedding
- Multiple control options – flexible control via front-panel pushbuttons, IR remote control, RS-232, Contact Closure, and web-based GUI through Ethernet
- Superior video quality – True 4K resolutions up to 4096 x 2160@60Hz (4:4:4) (HDMI); HDR support
- Scaler – supports video upscaling to 4K for display A and downscaling to 1080p for display B

Front



Rear



VPK312

12-Key Network Remote Pad (EU, 2 Gang)

Features

- 12-key Network Remote Pad for ATEN Presentation Switches
- Easy pairing with a Presentation Switch via the host Presentation Switch's web console
- VPK312K1 provides 29 engraved buttons to support multiple function control with VP2730
- Dual-color button LEDs for clear indication and visibility

Profession
Template



Participant
Template



Moderator
Template



Rear View



VPK104

4-Key Contact Closure Remote Pad

Features

- 4-button contact closure remote control pad for ATEN VP1420/VP1421 Presentation Matrix Switches
- Easy installation via contact closure; no extra power source required
- LED lights for port selection status indication
- Engraved buttons for intuitive port indication and operation

Front w / Faceplate



Rear



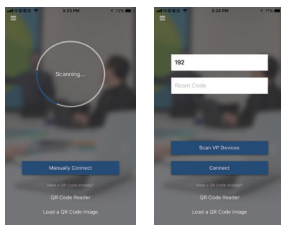
ATEN Video Presentation Control App

Collaborate and Control Meeting Presentations with your mobile device

The ATEN Video Presentation Control App is a free app that supports iOS and Android operating systems. This mobile app provides direct and easy access to collaborate and control meeting presentations directly from your mobile device.

Features

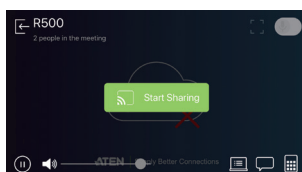
- **Multiple Login Options**
Auto scan the local network for devices or use the QR code/room code to log in.



ATEN Video Presentation Control App



- **Bi-directional Wireless Streaming**
Stream presentation content from your mobile device with ease or 'Go Live' to share content to participants located elsewhere.



- **Quad View with Auto Layout**
Shows up to 4 streamed-in sources and dynamically adjusts the screen layout per the number of sources.



Note: The models the app currently supports: VP1420, VP1421, VP2120, VP2420, VP2730, VP3520

Video Wall Processors



ATEN Modular VW series is built to meet the increasingly stringent system performance requirements in mission-critical applications. The advanced 4K@60 4:4:4 scaling technology plus the signal processing capability allow the series to deliver astonishing, accurate True 4K imagery. The hot-standby CPU control board, the hot-swappable input board / output board / power / fan modules guarantee 24/7 operation and easy maintenance in scenarios where system malfunction or shutdown is unacceptable.

The series supports multiple video walls with varying resolutions. Nearly restriction-free window placement functionality allows source cropping, overlap, and more, displaying a tailored view of every piece of crucial information. Organization logos, color schemes, calendar, clock, and scrolling text can be added to the video walls to widely broaden applications. Moreover, the series can be configured and controlled via various methods (RS-232, Ethernet, the front panel buttons, web GUI, and RESTful API) to overcome geographical limitations. Integration with ATEN Control System and the 3rd party devices is allowed via RS-232, Ethernet, and RESTful APIs.

- **Modular Construction, Flexible Configuration**

In addition to the abundant input and output ports, each processor can be equipped with the necessary number of modules depending on user demands. Such design provides a convenient solution when it comes to daily maintenance and future upgrades / expansion, without the need to disassemble the chassis for component replacement

- **FPGA Hardware Architecture**

The implementation of FPGA technology enables the VW series to handle 4K input sources, support near-zero-second seamless source switching, and transmit high quality video streams without delay

- **True 4K@60 Scaling Technology**

Supports custom resolutions and upscaling of video signals up to 4K@60 4:4:4 for crystal clear, accurate imagery regardless of the display size or type from LED, LCD, DLP, to other large screens

- **Highly-Customizable, Nearly Restriction-Free Window Placement and Management**

Video signals can be output to the video wall in highly customizing layouts, such as PiP, PbP, source cropping, overlapping, and spreading across multiple screens, and in any sizes based on the correct aspect ratio. Operators can add / edit elements including organization logos, color schemes, calendar, clock, as well as create a scrolling text to show slogans or emergency alerts and information

- **Hot-Swappable, Redundant Components for 24/7 Operation**

The VW series includes a hot-standby, redundant CPU control board and hot-swappable input board / output board / power / fan modules, ensuring reliable 24/7 operation while avoiding system failure led by overheating

- **Multiple Configuration and Control Methods, Directly and Remotely**

Can be configured and controlled by multiple methods, including RS-232 / Ethernet / front panel buttons / web GUI / RESTful API. Integration with ATEN Control System and the 3rd party devices is made easy via RS-232, Ethernet, and RESTful APIs, extending the video wall ecosystem

Remote users can preview video walls of any size in real-time at up to 1080p60 and manage the content from any compatible browser and mobile device. Video walls can be separately managed by up to 4 individuals for control room applications that require independent control for each of its own areas

Video Wall Solutions Comparison

Modules	VW784	VW884
Input Port	4	N/A
Output Port	N/A	4
Audio	HDMI	
Output Interface	N/A	HDMI
Input Interface	HDMI	N/A
Max. Bandwidth	10.2 Gbps	18 Gbps
Max. Distance	5m	
Scaler	N/A	✓
Seamless Switch	N/A	✓
Video Wall	✓	
Hot-pluggable	✓	
FrameSync	N/A	✓
CEC (Consumer Electronics Control)	✓	
Max. Resolution	4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4)*	4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4)
HDCP	HDCP 2.2	HDCP 2.2

Note: The VW784 input card supports up to four 4K@30Hz inputs or two 4K@60Hz inputs (when 4K@60Hz mode is enabled.)

VW3620

36 x 20 4K HDMI Video Wall Processor



Features

- Processes up to 36 input sources and manages up to 20 displays in any sizes at varying resolutions from a single 7U chassis
- Modular construction with 7 input slots, 5 output slots, and 2 function board slots, which also work as input board slots, to meet various expansion needs
- Supports custom resolutions and up to True 4K@60 (4:4:4) scalability for crystal clear, accurate imagery regardless of the display size or type from LED, LCD, DLP, to other large screens
- 24/7 operation with hot-swappable, redundant CPU control board and dual power modules, and hot swappable input / output cards and cooling fan module
- HDMI audio de-embedding
- Seamless Switch – FPGA hardware architecture helps unify video formats to provide continuous video streams, real-time switching and stable signal transmissions
- Powerful windowing technology for nearly restriction-free content placement - outputs signals in real-time in customizable layouts (PiP, PbP, source cropping, overlapping, and spreading across multiple screens)
- Multiview – view 2x2 or 4x4 layouts from a single display
- Customizable elements – logos, color schemes, calendar, clock, and scrolling text
- Direct control via RS 232 / Ethernet and the front panel buttons ; Remote control via Web GUI
- Integrated with ATEN Control System and the 3rd parties via RS-232 / Ethernet / RESTful API
- FrameSync – avoids image tearing by synchronizing the scaler output frame rate to the input signal frame rate

Front



Rear



VW784 / VW884

4-Port 4K HDMI Input Board

4-Port 4K HDMI Output Board with Scaler



Features

- Works with ATEN VW3620 modular Video Wall Processor to route 4 HDMI sources to 4 display terminals for optimum flexibility
- Supports resolutions up to 4K for superior video quality*
- Supports HDR, HDR+, and Dolby Vision
- True 4K @ 60 Hz scalability – supports custom resolutions and enables upscaling of signals for crystal clear, accurate imagery regardless of the display size or type (VW884)
- Seamless Switch – unifies video formats to provide continuous video streams, real-time switching, and stable signal transmissions
- EDID Expert – allows AV sources to send the best compatible signal data to your display terminals, ensuring the optimal picture results
- HDMI (Deep Color, 4K); HDCP 2.2 Compatible
- Video Wall – video wall layout customization via intuitive web GUI
- FrameSync – avoids image tearing by synchronizing the scaler output frame rate to the input signal frame rate
- Consumer Electronics Control (CEC)

VW784



VW884



Note: The VW784 input card supports up to four 4K@30Hz inputs or two 4K@60Hz inputs (when 4K@60Hz mode is enabled.)

Video Matrix Switches

Modular Matrix Solutions



ATEN Modular Matrix Solutions offer real-time control and advanced access to manage 16/32 video sources and 16/32 displays simultaneously, through modular I/O boards in a single chassis. They provide various video interface and transmission options – including digital and analog video formats such as Optical, HDBaseT, DisplayPort, HDMI, SDI, DVI, and VGA – with support for up to True 4K resolutions.

Empowered by ATEN Seamless Switch™ technology, these models incorporate a speed-progressive video switching function and a unique scaler that integrates seamlessly with video wall systems. ATEN Modular Matrix Solutions are easily expandable and ideal for large-scale AV applications such as broadcasting stations, traffic and transportation-related control

- **Bandwidth for True 4K**

The latest generation of ATEN's Modular Matrix Switch is designed to handle extreme bandwidth requirements of up to True 4K video signals, providing support for the latest generation of source devices and displays as well as future-proofing your installation.

- **Modular Convenience, Uninterrupted Operation**

The removable front panel, modular interior PCBs, hot swappable I/O board, power, and fan modules make maintenance easier than ever. The redundant power design prevents single points of failure from shutting down the entire system and ensures 24/7 operation.

- **Future-proof Expandability**

Minimal cost and hassle-free expandability with a selection of modular I/O boards, including Fiber Optic, HDBaseT, DisplayPort, HDMI, DVI, 3G-SDI, and VGA boards that enable easy future expansion.

- **Seamless Switch™**

ATEN's unique Seamless Switch™ technology features close-to-zero second video switching from any input to any output at up to True 4K without any black screens.

- **Tear-free Video Walls**

ATEN's FrameSync Technology prevents screen tearing by synchronizing the scaler frame rates, guaranteeing smooth video for high-motion elements and ensuring stunning tear-free video walls.

- **Scaling for Optimized Output**

A unique scaler utilizes ATEN FPGA technology to unify various video input signals and render optimized output resolutions on displays with uncompromised precision.

- **Award Winning Web GUI**

The intuitive web interface features real-time preview of video sources via streaming and calendar-based scheduling to facilitate video wall set up and reduced operation costs. It also features Display Zones for separate management of video signal distribution to different locations to ensure uninterrupted and streamlined operations.

- **Multiple Control Methods**

Provides multiple built-in control interfaces including RS-232, RS-485, RS-422, Ethernet, pushbuttons, and our award-winning Web GUI, as well as the free ATEN Video Matrix Control App, making control easier than ever.

- **Audio Embedding and De-embedding**

ATEN Modular Matrix Solutions are designed with the capability to separate audio from its corresponding video sources and route separately to desired audio output channels.

Modular Matrix Switches Comparison

Modular Matrix Switch	VM3250	VM3200	VM1600A
	32 x 32 Modular Matrix Switch Gen.2	32x32 Modular Matrix Switch	16 x 16 Modular Matrix Switch
Input Interface	Depends on the input board inserted	Depends on the input board inserted	Depends on the input board inserted
Max. Bandwidth	22.5 Gbps	15.2 Gbps	15.2 Gbps
Input Port	32	32	16
Output Port	32	32	16
Max. Resolution	3840 x 2160 @ 60Hz (4:4:4), 4096 x 2160 @ 60Hz (4:4:4)	4096 x 2160 @ 60Hz (4:2:0), 4096 x 2160 @ 30Hz (4:4:4)	4096 x 2160 @ 60Hz (4:2:0), 4096 x 2160 @ 30Hz (4:4:4)
Max. Distance	10km	10km	10km
Audio	HDMI, Stereo, Balanced/ Unbalanced, DisplayPort	HDMI, Stereo, Balanced/ Unbalanced, DisplayPort	HDMI, Stereo, Balanced/ Unbalanced, DisplayPort
Control	RS-232/RS-485/RS-422, Ethernet	RS-232/RS-485/RS-422, Ethernet	RS-232/RS-485/RS-422, Ethernet
EDID Support	✓	✓	✓
Scaler	✓	✓	✓
Seamless Switch	✓	✓	✓
Video Wall	✓	✓	✓
HDMI Audio Extracted	✓	✓	✓
Hot-pluggable	✓	✓	✓
FrameSync	✓	✓	✓
Streaming Preview	✓	✓	N/A
Audio De-Embedder	✓	✓	✓
Audio Embedder	✓	✓	✓

Combination	Modular Matrix Switch	VM3250 / VM3200 / VM1600A								
	Input Board	VM7584K1/ VM7584K2	VM7514	VM7904	VM7824	VM7814	VM7804	VM7604	VM7104	VM7404
	Output Board	VM8584K1/ VM8584K2	VM8514		VM8824	VM8814	VM8804	VM8604		
Interface		Optical	HDBaseT (RJ-45)	DisplayPort	HDMI	HDMI	HDMI	DVI	VGA	3G-SDI (BNC)
Max. Video Resolution		4K@60Hz (4:2:0) ^b	4K@60Hz (4:2:0) ^b	4K@60Hz (4:2:0) ^b	4K@60Hz (4:4:4) ^a	4K@60Hz (4:2:0) ^b	1920 x 1080	1920 x 1200	1920 x 1200	1920 x 1080
Max. Distance	Input	VM7584K1: 300m VM7584K2: 10km	100m	5m	5m	5m	5m	5m	1.8m	SD: 300 m HD:150 m 3G:100 m
	Output	VM8584K1: 300m VM8584K2: 10km	100m	N/A	5m	15m	15m	5m	N/A	N/A
Audio		✓	N/A	✓	✓ ^c	✓ ^c	✓ ^c	✓ ^c	✓ ^c	✓ ^c
Scaler		VM8584 + VE883AR ^d	VM8514 + VE805R / VE816R ^d	N/A	VM8824	VM8814	VM8804	VM8604	N/A	N/A
Video Wall		VM8584 + VE883AR ^d	VM8514 + VE805R / VE816R ^d	N/A	VM8824	VM8814	VM8804	VM8604	N/A	N/A
Seamless Switching		VM8584 + VE883AR ^d	VM8514 + VE805R / VE816R ^d	N/A	VM8824	VM8814	VM8804	VM8604	N/A	N/A
FrameSync		VM8584 + VE883AR ^d	VM8514 + VE816R ^d	N/A	VM8824	VM8814	N/A	N/A	N/A	N/A
Cable Quality Tester		N/A	VM8514 + VE816R ^d	N/A	✓	✓	N/A	N/A	N/A	N/A
RS-232 Channel		✓	✓	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IR Channel		✓	✓	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Note : a. True 4K resolutions are only supported when the VM7824 and VM8824 are used with the VM3250.

b. 4K resolutions are only available when the Scaler is disabled. When the Scaler function is implemented, the highest resolution available is 1080p. The Scaler function is enabled by default.

c. HDMI audio signal can be extracted to stereo audio output; stereo audio can be embedded into the HDMI audio output.

d. Certain functions depend on video extender model used.

VM3250

32 x 32 Modular Matrix Switch Gen. 2



reddot award 2015
winner interface design



TAIWAN
EXCELLENCE
2022

Inavation Awards
TECHNOLOGY FINALIST 2021

RS-232/485/422
Control

EDID

FPGA
Design

Streaming

22.5 Gbps

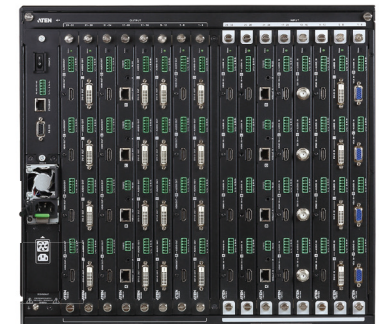
Features

- Connects any of 32 video sources to any of 32 displays in combination with ATEN Modular Matrix Solutions; True 4K resolutions support
- Hot-swappable I/O boards, fan module, and power supplies for easy maintenance
- Live stream of connected video channels and image preview of video wall layouts via web GUI
- Multiple Control Methods – system management via front-panel pushbuttons, RS-232, RS-485/422, and Ethernet (Telnet / Web GUI) connections

Front



Rear



VM3200

32 x 32 Modular Matrix Switch



reddot award 2015
winner interface design



TAIWAN
EXCELLENCE 2018



RS-232/485/422
Control

EDID

FPGA
Design

Streaming

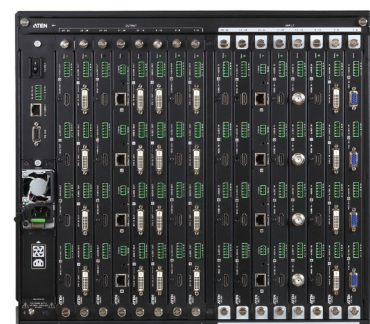
Features

- Connects any of 32 video sources to any of 32 displays in combination with ATEN Modular Matrix Solutions
- Hot-pluggable fan and power modules for easy maintenance and higher reliability
- Live stream of connected video channels and image preview of video wall layouts via web GUI
- Multiple Control Methods – system management via front-panel pushbuttons, RS-232, RS-485/422, and Ethernet (Telnet / Web GUI) connections

Front



Rear



*The I/O boards need to be purchased separately.

VM1600A

16 x 16 Modular Matrix Switch



reddot award 2015
winner interface design

RS-232/485/422 Control
EDID
FPGA Design
Streaming

Features

- Connects any of 16 video sources to any of 16 displays in combination with ATEN Modular Matrix Solutions
- Hot-pluggable: Modular Fan Design Power Module Easy integration of I/O boards
- Optional redundant power supply for continuous operation
- Multiple Control Methods – system management via front-panel pushbuttons, RS-232 control, and Ethernet connections (Web GUI) Add to Comparison Basket

Front



Rear



*The I/O boards need to be purchased separately.

VM7584 4-Port 10G Optical Input Board

VM8584 4-Port 10G Optical Output Board



VM7584K1 300 m
VM7584K2 10 km
VM8584K1 300 m
VM8584K2 10 km
FIBER

IR Channel
4K Scaler
Seamless Switch
Video Wall
FrameSync

(VM8584+VE883A) (VM8584+VE883A) (VM8584+VE883A) (VM8584+VE883A) (VM8584+VE883A)

RS-232 Channel
HDCP 2.2
EDID

(VM8584+VE883A)

Features

- Compatible with the VM Modular Matrix Switches; mix and match with modular I/O boards of any type for optimum flexibility
- Superior video quality over long-distance transmission – up to 4096 x 2160@60Hz (4:2:0), 300m with VM7584K1/VM8584K1 and multi-mode fiber or 10km with VM7584K2/VM8584K2 and single-mode fiber
- Bi-directional RS-232 channel and IR channel for flexible device control
- FrameSync – prevents image tearing by synchronizing the scaler output frame rate to the input signal frame rate (VM8584)

VM7584

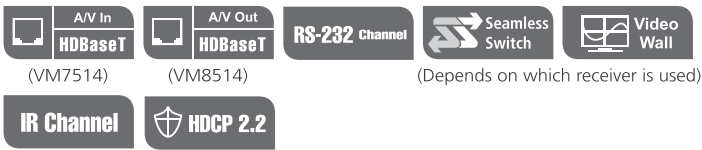


VM8584



VM7514 4-Port HDBaseT Input Board

VM8514 4-Port HDBaseT Output Board



Features

- HDBaseT Connectivity – extends 4 HDBaseT connections up to 100 meters via single Cat 5e/6 cable
- Compatible with the VM1600 and can be mixed with modular I/O boards of any type for optimum flexibility
- Bi-directional RS-232 channel – allows you to connect to serial terminals or serial devices, such as touch screens and barcode scanners
- Bi-directional IR channel – IR transmission is processed one direction at a time

VM7514



VM8514



VM7904

4-Port 4K DisplayPort Input Board



Features

- Compatible with the VM1600A / VM3200; mix and match with modular I/O boards of any type for optimum flexibility
- Superior video quality – up to 4096 x 2160 / 3840 x 2160 @ 30 Hz (4:4:4)
- Audio-enabled - DisplayPort audio can be extracted and stereo audio can be embedded
- Supports DP1.1 with data rates up to 10.8 Gbps (2.7 Gbps per lane)



VM7824 4-Port True 4K HDMI Input Board

VM8824 4-Port True 4K HDMI Output Board with Scaler



RS-232/485/422
Control

EDID

FPGA
Design

Streaming

Features

- Compatible with the VM Modular Matrix Switches; mix and match with modular I/O boards of any type for optimum flexibility
- True 4K Resolutions – handles uncompressed video resolutions up to 3840 x 2160 / 4096 x 2160 @ 60Hz (4:4:4)
- Audio-enabled, HDMI audio can be extracted and stereo audio can be embedded
- Cable Quality Tester – examines the HDMI cable quality
- FrameSync – prevents image tearing by synchronizing the scaler output frame rate to the input signal frame rate (VM8824)

VM7824



VM8824



VM7814 4-Port 4K HDMI Input Board

VM8814 4-Port 4K HDMI Output Board with Scaler



Features

- Compatible with the VM1600 / VM3200; mix and match with modular I/O boards of any type for optimum flexibility
- Superior video quality – HDTV resolutions of 480p, 720p, 1080i, and 1080p (1920 x 1080); 4K @ 60Hz (4:2:0)
- Audio-enabled, stereo audio can be embedded (VM7814) and extracted (VM8814)
- Seamless Switch™ – features close-to-zero second switching that provides continuous video streams, real-time switching, and stable signal transmissions* (VM8814)
- FrameSync – prevents image tearing by synchronizing the scaler output frame rate to the input signal frame rate (VM8814)

Note: When Seamless Switch is enabled, 3D, Deep Color, or interlace (i.e., 1080i) formats will not be supported. To use these formats, make sure to disable Seamless Switch.

VM7814



VM8814



VM7804 4-Port HDMI Input Board

VM8804 4-Port HDMI Output Board with Scaler



Features

- Superior video quality – HDTV resolutions of 480p, 720p, 1080i, and 1080p (1920 x 1080)
- Audio-enabled, HDMI audio can be extracted and stereo audio can be embedded
- Built-in scaler on each output port to support the scaling function for different video resolutions
- Seamless Switch™– provides continuous video streams, real-time switching and stable signal transmission*
- HDMI (3D, Deep Color); HDCP 1.4 Compatible

Note: When Seamless Switch is enabled, 3D, Deep Color, or interlace (i.e., 1080i) formats will not be supported. To use these formats, make sure to disable Seamless Switch.

VM7804

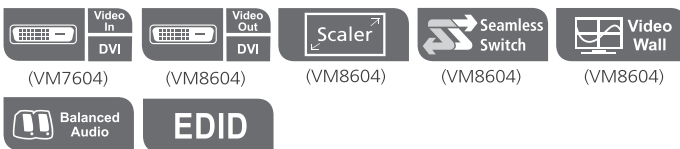


VM88014



VM7604 4-Port DVI Input Board

VM8604 4-Port DVI Output Board with Scaler



Features

- Superior video quality – up to 1920 x 1200 @ 60Hz
- EDID Expert – selects optimum EDID settings for smooth power-up and the highest quality display
- Audio-enabled
- EDID Expert – selects optimum EDID settings for smooth power-up and the highest quality display
- Built-in scaler on each output port to support the scaling function for different video resolutions (VM8604)
- Seamless Switch™– provides continuous video streams, real-time switching and stable signal transmission (VM8604)

VM7604



VM8604



VM7404

4-Port 3G-SDI Input Board



Features

- Connects up to 4 SDI inputs
- Compatible with the VM1600 - mix and match modular I/O boards for optimal flexibility
- Supports SD-SDI, HD-SDI and 3G-SDI formats
- Hot-swappable design for easy integration of I/O boards



VM7104

4-Port VGA Input Board



Features

- Connects up to 4 VGA or Component inputs
- Compatible with the VM1600 and can be mixed with any modular output boards for optimum flexibility
- Supports RGBHV / RGBS/ YCbCr/ YPbPr input signals
- Hot-swappable design for easy integration of I/O board



Fixed I/O Video Matrix Switches



ATEN Fixed I/O Video Matrix Switches simplify the task of routing AV signals from a set number of inputs to various output destinations. Each input can be directed to any or all outputs, giving you the ultimate flexibility to extend your installation with excellent video quality. Featuring Standard, Seamless, and HDBaseTTM series, all models in each series are optimally designed for any AV application needs no matter the size, environment, or complexity of your installation.

- **Seamless Switching**

ATEN's unique Seamless Switch™ technology features close-to-zero second video switching from any input to any output with no black screens.

- **Tear-free Video Walls**

ATEN's FrameSync Technology prevents screen tearing by synchronizing the scaler frame rates, guaranteeing smooth video for high-motion elements and ensuring stunning tear-free video walls.

- **Scaling for Optimized Output**

A unique scaler utilizes ATEN FPGA technology to unify various video input signals and render optimized output resolutions on displays with uncompromised precision.

- **True 4K, HDR**

Features models with up to True 4K resolutions with HDR, which supports popular HDR formats on the market, delivering more vivid and vibrant video for your applications.

- **Exclusive Technologies**

ATEN's proprietary technologies such as EDID Expert™ and HDCP technology optimize output capability throughout your installations and ensure that content can be transmitted and switched with no compatibility issues.

- **Multiple Control Methods**

Provides multiple built-in control interfaces including RS-232, IR, Ethernet, pushbuttons, Web GUI, as well as the free ATEN Video Matrix Control App, making control easier than ever.

- **Audio de-embedding**

Supports digital audio input from any HDMI input to be assigned to the stereo output, increasing installation flexibility.

Fixed I/O Video Matrix Switches Comparison

	VM6404HB	VM6809H	VM51616H	VM5404HA	VM5808HA	VM5404H	VM5808H
Seamless Series	4 x 4 True 4K HDMI Matrix Switch with Scaler	8 x 9 4K HDMI Matrix Switch with Scaler	16 x 16 HDMI Matrix Switch with Scaler	4 x 4 HDMI Matrix Switch with Scaler	8 x 8 HDMI Matrix Switch with Scaler	4 x 4 HDMI Matrix Switch with Scaler	8 x 8 HDMI Matrix Switch with Scaler
Output Interface	HDMI	HDMI	HDMI	HDMI	HDMI	HDMI	HDMI
Input Interface	HDMI	HDMI	HDMI	HDMI	HDMI	HDMI	HDMI
Max. Bandwidth	18 Gbps	10.2 Gbps	6.75 Gbps	6.75 Gbps	6.75 Gbps	6.75 Gbps	6.75 Gbps
HDCP	HDCP 2.2	HDCP 2.2	HDCP 1.4	HDCP 1.4	HDCP 1.4	HDCP 1.4	HDCP 1.4
Input Port	4	8	16	4	8	4	8
Output Port	4	9	16	4	8	4	8
Max. Resolution	3840 x 2160 @ 60Hz (4:4:4), 4096 x 2160 @ 60Hz (4:4:4)	4096 x 2160 @ 60Hz (4:2:0), 4096 x 2160 @ 30Hz (4:4:4)	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Max. Distance	3m	15m	15m	15m	15m	15m	15m
Audio	HDMI, Stereo Audio	HDMI, Stereo Audio	HDMI, Stereo Audio	HDMI, Stereo Audio	HDMI, Stereo Audio	HDMI	HDMI
Control	IR, RS-232, Ethernet	RS-232	RS-232, Ethernet	RS-232, Ethernet	RS-232, Ethernet	IR, RS-232, Ethernet	IR, RS-232, Ethernet
Scaler	✓	✓	✓	✓	✓	✓	✓
Seamless Switch	✓	✓	✓	✓	✓	✓	✓
Video Wall	✓	✓	✓	✓	✓	✓	✓
FrameSync	✓	✓	✓	N/A	N/A	N/A	N/A
CEC (Consumer Electronics Control)	✓	✓	✓	✓	✓	✓	✓
Local HDMI Output	N/A	N/A	✓	N/A	N/A	N/A	N/A

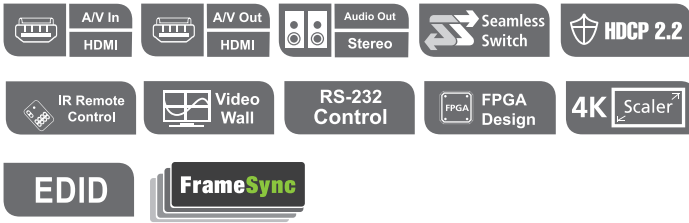
	VM0404HB	VM0808HB	VM0202HB	VM0404HA	VS0202
Standard Series	4 x 4 True 4K HDMI Matrix Switch	8 x 8 True 4K HDMI Matrix Switch	2 x 2 True 4K HDMI Matrix Switch with Audio De-Embedder	4x4 4K HDMI Matrix Switch	2x2 VGA/Audio Matrix Switch
Output Interface	HDMI	HDMI	HDMI	HDMI	VGA
Input Interface	HDMI	HDMI	HDMI	HDMI	VGA
Max. Bandwidth	18 Gbps	18 Gbps	18 Gbps	10.2 Gbps	200 MHz
HDCP	HDCP 2.2	HDCP 2.2	HDCP 2.2	HDCP 1.4	N/A
Input Port	4	8	2	4	2
Output Port	4	8	2	4	2
Max. Resolution	4096 x 2160 @ 60Hz (4:4:4)	4096 x 2160 @ 60Hz (4:4:4)	4096 x 2160 @ 60Hz (4:4:4)	"4096 x 2160 @ 60Hz (4:2:0), 4096 x 2160 @ 30Hz (4:4:4)"	1920 x 1200
Max. Distance	15m	15m	5m	15m	30m
Audio	HDMI	HDMI	HDMI	HDMI	Stereo Audio
Control	IR, RS-232, Ethernet	IR, RS-232, Ethernet	IR, RS-232	IR, RS-232	N/A
EDID Support	N/A	N/A	✓	N/A	N/A
Firmware Upgradable	N/A	N/A	✓	N/A	N/A
CEC (Consumer Electronics Control)	✓	✓	N/A	N/A	N/A
Audio De-Embedder	N/A	N/A	✓	N/A	N/A

VM6404HB

4 x 4 True 4K HDMI Matrix Switch with Scaler



reddot award 2015
winner interface design



Features

- Seamless Switch™ – features close-to-zero second switching for continuous video streams, real-time switching, and stable signal transmissions*
- FrameSync – prevents image tearing by synchronizing the scaler output frame rate to the input signal frame rate
- HDMI (3D, Deep color, True 4K); HDCP 2.2 compatible
- Multiple Control Methods – system management via front-panel pushbuttons, IR, RS-232 control, and Ethernet connection for web GUI or Telnet

Note: When Seamless Switch is enabled, 3D, Deep Color, or interlace (i.e., 1080i) formats will not be supported. To use these formats, make sure to disable Seamless Switch.

Front



Rear

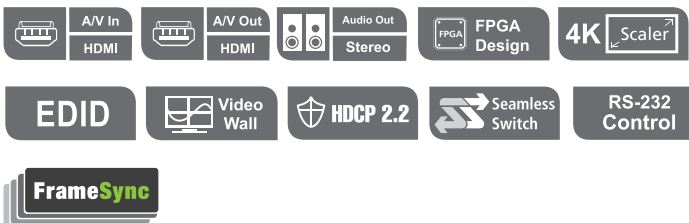


VM6809H

8 x 9 4K HDMI Matrix Switch with Scaler



reddot award 2015
winner interface design



Features

- 8 x 9 HDMI input/output connections
- Seamless Switch™ – features close-to-zero second switching for continuous video streams, real-time switching, and stable signal transmissions*
- HDMI (3D, Deep color, 4K); HDCP 2.2 compatible
- Multiple Control Methods – system management via front-panel pushbuttons, RS-232 control, and Web GUI/Telnet via Ethernet connections

Note: When Seamless Switch is enabled, 3D, Deep Color, or interlace (i.e., 1080i) formats will not be supported. To use these formats, make sure to disable Seamless Switch.

Front



Rear



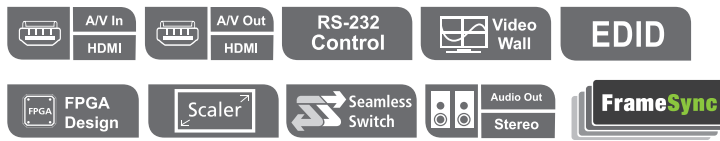
VM51616H

16 x 16 HDMI Matrix Switch with Scaler



reddot award 2015
winner interface design

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE



Features

- Connects any of 16 HDMI sources to any of to 16 HDMI displays
- Seamless Switch™ – features close-to-zero second switching for continuous video streams, real-time switching, and stable signal transmissions*
- Video Wall – allows you to create custom video wall layouts via intuitive web GUI*
- Local HDMI output – allows multiple preview of 16 video sources

Note: 1. When Seamless Switch™ is enabled, 3D, Deep Color, or interlace (i.e., 1080i) formats will not be supported. To use these formats, make sure to disable Seamless Switch™.
2. Videos may not display within range when Seamless Switch™ or Video Wall is enabled, in which case please adjust the display settings on your device.

Front



Rear



VM5404HA 4 x 4 HDMI Matrix Switch with Scaler

VM5808HA 8 x 8 HDMI Matrix Switch with Scaler

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE



Features

- Routes any of 4 / 8 HDMI sources to any of 4 / 8 HDMI displays
- Local HDMI output – enables previewing of up to 8 video sources in a multi-view window
- Multiple system configuration methods including front panel pushbuttons / RS-232 / Ethernet (Telnet / Web GUI) connection, ATEN Video Matrix Control app, and ATEN Control System
- Seamless Switch™ – features close-to-zero second switching for continuous video streams, real-time switching, and stable signal transmissions*

Note: When Seamless Switch is enabled, 3D, Deep Color, or interlace (i.e., 1080i) formats will not be supported. To use these formats, make sure to disable Seamless Switch.

VM5404HA Front



VM5808HA Front

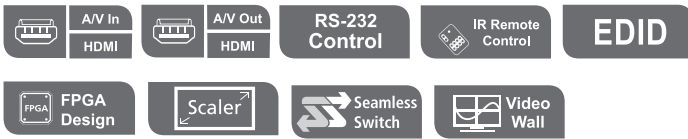


VM5404HA Rear



VM5808HA Rear

VM5404H 4 x 4 HDMI Matrix Switch with Scaler
VM5808H 8 x 8 HDMI Matrix Switch with Scaler



Features

- Connects any of 4 / 8 HDMI sources to any of 4 / 8 HDMI displays
- Seamless Switch™ –features close-to-zero second switching for continuous video streams, real-time switching, and stable signal transmissions*
- HDMI (3D, Deep color); HDCP 1.4 compatible
- Multiple Control Methods – system management via front-panel pushbuttons, IR, RS-232 and Ethernet (Telnet / Web GUI) connections

Note: When Seamless Switch is enabled, 3D, Deep Color, or interlace (i.e., 1080i) formats will not be supported. To use these formats, make sure to disable Seamless Switch.

VM5404H Front



VM5808H Front



VM5404H Rear



VM5808H Rear

VM0404HB 4 x 4 True 4K HDMI Matrix Switch
VM0808HB 8 x 8 True 4K HDMI Matrix Switch



Features

- Connects any of 4 / 8 HDMI sources to any of 4 / 8 HDMI displays
- Supports True 4K resolutions up to 4096 x 2160 @ 60Hz (4:4:4)
- Multiple Control Methods – system management via front-panel pushbuttons, IR remote, RS-232 control, and Web GUI/Telnet via Ethernet connections
- HDMI (3D, Deep Color, 4K) and HDCP 2.2 compatible

VM0404HB Front



VM0808HB Front



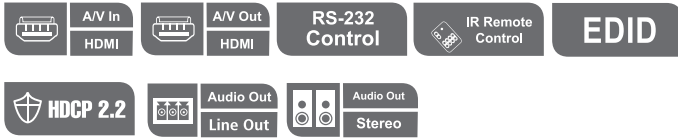
VM0404HB Rear



VM0808HB Rear

VM0202HB

2 x 2 True 4K HDMI Matrix Switch with Audio De-Embedder



Features

- Connects 2 HDMI sources to any 2 HDMI displays
- Supports True 4K resolutions up to 4096 x 2160 @ 60Hz (4:4:4) and HDR
- Audio de-embedder – HDMI audio can be extracted to stereo or Lineout audio
- Auto switching – automatically detects and switches to a new source once connected (Default: off)

Front



Rear



VM0404HA

4 x 4 4K HDMI Matrix Switch



Features

- Connects any of 4 HDMI sources to any of 4 HDMI displays
- Supports 4K resolutions up to UHD (3840 x 2160) and DCI (4096 x 2160) with refresh rates of 30 Hz (4:4:4) and 60 Hz (4:2:0)
- Signaling rates up to 3.4 Gbits for flawless 4K output
- Multiple Control Methods – system management via front-panel pushbuttons, IR remote and RS-232 control

Front



Rear



VS0202

2 x 2 VGA/Audio Matrix Switch



Features

- Each of the 2 video outs can toggle between Source 1 and Source 2 using front panel pushbuttons.
- Audio enabled
- With up to 200 MHz Video Bandwidth
- Duplicate and enhance video signals to up to 30 m (max.) *

Note: Video content sent over very long distance using a VGA cable might result in slight degradation of the video signal and quality

Front



Rear

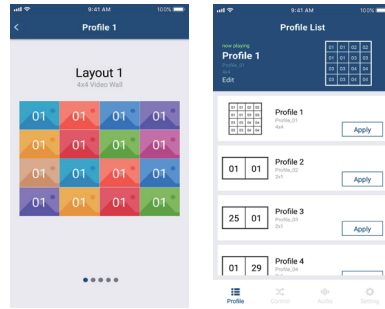


ATEN Video Matrix Control App

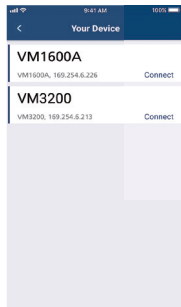
ATEN Video Matrix Control App - Mobile App



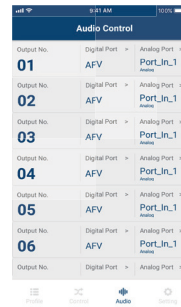
- Easy Profile Change
Flick between multiple layouts instantly.
View and apply a new profile via visualized Profile ID.



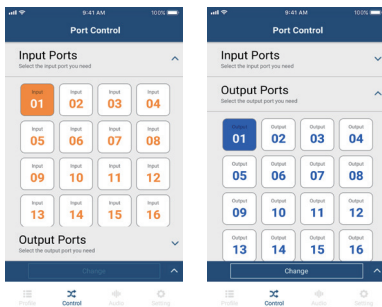
- Simple Login
Auto search for devices and tap any Video Matrix Switch to log in.



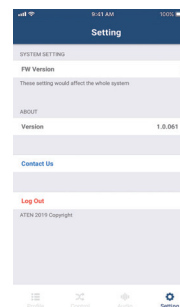
- Audio Control
Turn on/off or embed/de-embed audio with ease.



- Instant Source Switching
Switch input sources on-the-go via graphical layout preview.



- Firmware Update Reminder
Keeps you posted about the latest updates.



Note: The supported features differ by models. Current models supported: VM0404HB, VM0808HB, VM5404H, VM5404HA, VM5808H, VM5808HA, VM51616H, VM6404HB, VM6809H, VM1600A, VM3200, and VM3250.

Media Distribution Solutions



ATEN's Media Distribution Solutions (MDS) deliver up to 4K UHD video content over HDBaseT or standard Cat 5e/6 cables to multiple displays from a single input source. There are three solutions available: HDBaseT, HDMI Standard, and VGA Standard.

Flexible and scalable, these solutions give you the freedom to set up any kind of high-quality video display customized for various applications from retail media to public information systems.

- **Single Source to Multiple Displays**

These devices take the input from a single AV source and send it to multiple destinations, so that several target devices can reproduce the same video content simultaneously. You can cascade these devices to three levels to achieve even greater media coverage with your installation.

- **Superior Video Quality**

Outstanding video output is achieved through the incorporation of several features – including picture adjustment, EDID mode selection, and ATEN's patented Deskew Technology that automatically corrects display errors that can occur when video is transmitted over long distances. The result is clear, sharp, and optimized video in real time.

- **HDBaseT™ Technology**

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- and mid-sized areas.

- **Convenient Local Management**

Easy monitoring of the video being sent to each display is achieved through support for local AV output. If a problem occurs, administrators can take steps to remedy the situation in a timely manner.

- **Control System Integration**

The built-in RS-232 serial port allows you to effortlessly integrate your own control system and customize the control process according to your needs. Serial RS-232 support also gives you the ability to integrate serial connectivity devices – such as barcode scanners, POS terminals, and kiosk touch screens – as part of the installation.

Note: 1. The features highlighted above are not available on all products. Please refer to each product page for more details.
2. Product information is subject to change without prior notice.

Media Distribution Solutions Comparison

Solution		HDMI Standard	HDBaseT		
Combination	Splitter	VS1824KIT / VS1828KIT (Receivers included)	VS1814T / VS1818T		
	Receiver		VE811R	VE812R	VE801R
AV Output (Splitter)		4/8	4/8		
Max Resolution / Distance		4K@40 m	4K@100 m	4K@100 m	4K@40 m
Long Reach Mode		N/A	1080p@150 m	N/A	N/A
Audio		HDMI			
EDID Support		✓			
Picture Adjustment		Auto			

Solution		VGA Standard		
Combination	Splitter	VS1204T / VS1208T		
	Receiver	VE172R	VE170R	VE170RQ
AV Output (Splitter)		4/8		
Max Resolution / Distance		1280x1024@150 m	1024x768@300 m	1280x1024@300 m
Audio		Mono		
EDID Support		✓		
Picture Adjustment		Knob		

VS1828KIT / VS1824KIT

8-Port 4K HDMI Cat 6 Splitter with 8 Receivers

4-Port 4K HDMI Cat 6 Splitter with 4 Receivers



Features

- A kit that includes 1 splitter and 4 / 8 receivers to distribute 1 HDMI source to 4 / 8 displays up to 40 m away via a single Cat 6 cable
- Supports up to 4K @ 30 Hz (4:4:4) for crystal-clear video presentation
- Power over Cable (PoC) functionality from splitter to receivers to avoid cluttered cable installation
- User-adjustable EDID on splitter for output video resolutions and audio capabilities configuration

VS1824KIT



VS1828KIT



VS1814T / VS1818T

4/8-Port HDMI HDBaseT Splitter (HDBaseT Class A)



Features

- One HDMI input to 4 / 8 HDBaseT outputs via a Cat 5e/6/6a cable
- Extends displays up to 100 m
- Implements HDBaseT extension technology using only one Cat 5 cable to connect the transmitter and receiver
- Supports resolutions of up to Ultra HD 4kx2k and 1080p Full HD

Front



VS1814T

VS1818T

Rear



VS1814T

VS1818T

VE811R

HDMI HDBaseT Receiver (4K@100 m) (HDBaseT Class A)



Features

- HDBaseT connectivity – extends 4K HDMI signals up to 100 m via a single Cat 5e/6/6a or ATEN 2L-29330 Cat 6a cable
- Supports HDBaseT Long Reach Mode – up to 150 m via a single Cat 5e/6 cable at resolutions up to 1080p
- Supports resolutions of up to 4K and 1080p
- HDCP 2.2 compatible

Front



Rear



7

VE812R

HDMI HDBaseT Receiver (4K@100 m) (HDBaseT Class A)



Features

- Implements HDBaseT extension technology using only one Cat 5e cable to connect the transmitter and receiver
- HDMI (3D, Deep Color, 4k); HDCP Compatible
- Long distance transmission - up to 100 m
- Supports up to 340MHz bandwidth for high performance video

Front



Rear



VE801R

HDMI HDBaseT-Lite Receiver (4K@40 m)(HDBaseT Class B)



Features

- HDBaseT Connectivity – extends an HDMI connection over a long distance via one Cat 5e/6/6a cable
- Rack – Mountable

Front



Rear



VS1204T / VS1208T

4/8-Port VGA/Audio Cat 5 Splitter



Features

- One audio/video input to 4/8 audio/video outputs via Cat 5e cable
- Uses Cat 5e cable to extend displays up to 300 m
- Superior video quality – up to 1920 x 1200 @ 60Hz
- Audio enabled (mono)

Front



Rear



VE172R

VGA/Audio Cat 5 Receiver with Cascade (1280 x 1024@150 m)



Features

- Uses Cat 5e cable to connect the transmitter and receiver units
- Cascadable up to 10 levels
- Long distance transmission up to 150 m
- Superior video quality – 1920 x 1200 @ 60Hz (30 m); 1600 x 1200 @ 60Hz (100 m); 1280 x 1024 @ 60Hz (150 m)

Front



Rear



VE170R

VGA/Audio Cat 5 Receiver (1024 x 768@300 m)

VE170RQ

VGA/Audio Cat 5 Receiver with Deskew (1280 x 1024@300 m)



(VE170RQ)

Features

- Long distance transmission up to 300 m
- Deskew Function (VE170RQ) – allows you to synchronize the time delay of RGB signals to compensate for distance
- Superior video quality – 1920x1200 @ 60Hz (VE170RQ: 150 m / VE170R: 30 m); 1280 x 1024 @ 60Hz (300 m)
- Audio enabled (mono)

Front



Rear



Video Switches



ATEN video switches allow you to conveniently display the video output of one to multiple high-resolution computer or source devices on a single or dual monitors. All models offer easy source selection via pushbuttons, RS-232, or IR remote control, meaning you never have to reach behind the monitor. With support for the full range of video standards and many models with audio functionality, ATEN video switches are the perfect choice for meeting rooms, laboratories, research centers, information management centers, and home theater applications.

- **Quick and Easy Port Selection**

Quickly and easily select the desired media source device among multiple sources with pushbuttons located on the device and with an IR remote control. The remote control lets you select source devices without having to get up and move to the switch to perform the selection with the pushbuttons.

- **Flexible Deployment**

By combining the switch with an external IR receiver you can locate it close to the media source. This provides greater video quality by keeping the cable distance shorter, while allowing you to control the media selection from a more comfortable location.

- **Outstanding Multimedia Support**

Audio signals from the source devices are transmitted together with the video – eliminating the need for a separate audio installation for each source and delivering an outstanding AV experience when working with modern multimedia applications.

- **Control System Integration**

The built-in RS-232 serial port and IR allow you to effortlessly integrate the ATEN Control System or your own control system, and customize the control process according to your needs. RS-232 and IR support also give you the ability to integrate serial devices – such as barcode scanners, POS terminals, kiosk touch screens and more – as part of the installation.

- **Auto Switching**

The Auto Switching function enables automatic switching between selected ports with priority settings when the source device is connected. There are two types of priority settings that can be configured with Auto Switching: Auto, and Next Switch Priority. Auto places the priority on a particular port while Next Switch Priority places priority on the next port with a new source connected to it.

- **True 4K, HDR**

Models are available with support for up to True 4K resolutions with HDR that are compatible with all popular HDR formats on the market, delivering more vivid and vibrant video for all your applications.

Note: 1.The features highlighted above are not available on all products. Please refer to each product page for more details.
2.Product information is subject to change without prior notice.



Video Switches Comparison

	V/S0801HB	V/S0801H	V/S481C	V/S481B	V/S482B	V/S482
Interface	HDMI	HDMI	HDMI	HDMI	HDMI	HDMI
Input Port	8	8	4	4	4	4
Output Port	1	1	1	1	2	2
Max. Resolution	4096 x 2160 @ 60Hz (4:4:4)	1920 x 1080	4096 x 2160 @ 60Hz (4:4:4)	4096 x 2160 @ 60Hz (4:2:0) 4096 x 2160 @ 30Hz (4:4:4)	4096 x 2160 @ 60Hz (4:4:4)	1920 x 1080
Max. Distance	3m	15m	5m	15m	3m	15m
Audio	HDMI					
Control	IR, RS-232, Pushbuttons					
Auto Switching	✓					
CEC (Consumer Electronics Control)	✓					
HDCP	HDCP 2.2	HDCP 1.4	HDCP 2.2	HDCP 2.2	HDCP 2.2	HDCP 1.4

	V/S381B	V/S0801A	V/S0201	V/S0401	V/S291	V/S491
Interface	HDMI	VGA	VGA	VGA	VGA	VGA
Input Port	3	8	2	4	2	4
Output Port	1					
Max. Resolution	3840 x 2160 @ 60Hz (4:4:4)	1920 x 1440	1920 x 1440	1920 x 1440	1920 x 1440	1920 x 1440
Max. Distance	5m	30m	30m	30m	10m	10m
Audio	HDMI	Stereo Audio	Stereo Audio	Stereo Audio	N/A	N/A
Control	IR	IR, RS-232	IR, RS-232	IR, RS-232	Button	Button
Auto Switching	✓	✓	✓	✓	N/A	N/A
HDCP	HDCP 2.2	N/A	N/A	N/A	N/A	N/A

VS0801HB

8-Port True 4K HDMI Switch



Features

- Allows up to 8 HDMI sources to be connected to one HDMI display
- Superior video quality - True 4K resolutions of 4K x 2K @ 60 Hz (4:4:4) and standard 1080p (1920 x 1080 @ 60 Hz)
- HDMI (3D, Deep Color, 4K); HDCP 2.2 compliant
- Built-in bi-directional RS-232 serial port for high-end system control

Front



Rear



VS0801H

8-Port HDMI Switch



Features

- Allows up to eight HDMI sources to be connected to one HDMI display
- Quick and easy switching between HDMI sources via front panel pushbuttons or IR remote control
- Superior video quality - HDTV resolutions of 480p, 720p, 1080i, 1080p (1920x1080); VGA, SVGA, SXGA, UXGA, and WUXGA (1920x1200)
- Built-in bi-directional RS-232 serial port for high-end system control

Front



Rear



VS481C

4-Port True 4K HDMI Switch



Features

- Allows up to 4 HDMI sources to be connected to one HDMI display
- HDMI 2.0(3D, Deep Color, 4K); HDCP 2.2 compliant
- Superior video quality- True 4k resolutions of 4k x 2k @ 60 Hz (4:4:4)
- Built-in bi-directional RS-232 serial port for high-end system control

Front



Rear



VS481B

4-Port 4K HDMI Switch



Features

- Allows up to four HDMI A/V sources to be connected to one HDMI display
- HDMI (3D, Deep Color, 4kx2k); HDCP 2.2 compatible
- Supports 340MHz bandwidth for ultrahigh 4kx2k video
- Quick and easy switching between HDMI sources via front panel pushbuttons, RS-232 or IR Remote control

Front

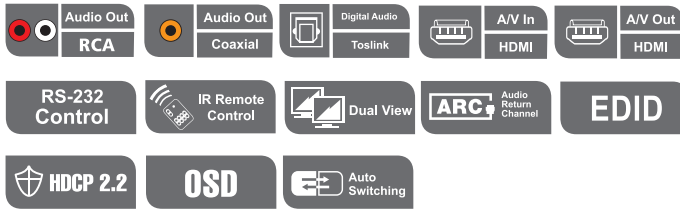


Rear



VS482B

4-Port True 4K HDMI Switch with Dual Output



Features

- Allows up to 4 HDMI A/V sources to be connected to 2 HDMI displays
- Superior video quality – up to 4096 x 2160/3840 x 2160 @ 60Hz (4:4:4); HDR supported
- Supports Auto Switch – the VS482B automatically switches to a newly plugged-in source
- HDMI audio can be extracted to stereo audio and digital audio (optical/coaxial) outputs

Front



Rear



VS482

4-Port HDMI Switch with Dual Output



Features

- Allows up to four HDMI A/V sources to be connected to two HDMI displays
- Audio Return Channel (ARC) function – connect an HDMI cable to the ARC port to send audio from your source device to your audio/video receiver
- Instant switching between HDMI input sources via front panel pushbuttons or through the RS-232 serial control port
- Supports superior video quality – HDTV resolutions of 480p, 720p, 1080i, 1080p (1920x1080); up to WUXGA (1920 x 1200)

Front



Rear



VS381B

3-Port True 4K HDMI Switch



Features

- Allows up to 3 HDMI input sources to be transmitted to 1 HDMI output display
- Superior video quality – True 4K resolution of 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4) up to 5m; HDR supported
- HDMI (3D, Deep Color, 4K, HDR10+, Dolby Vision, HLG); HDCP 2.2 compliant
- Auto switching mode for auto port selection



Front



Rear



VS0801A

8-Port VGA/Audio Switch with Auto Switching



Features

- Display the video output of up to eight computers on a single VGA display
- Quick and easy switching between VGA/Audio sources via front panel pushbuttons, RS-232 commands, IR remote control, or Port Switching cable
- Superior video quality – up to 2048 x 1536 @ 60Hz
- Supports stereo audio

Front



Rear



VS0201 / VS0401

2/4-Port VGA/Audio Switch



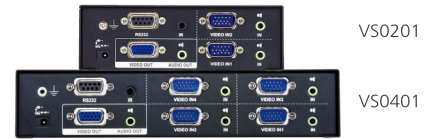
Features

- Displays the video output of 2 / 4 computers on a single monitor or projector
- Quick and easy switching between VGA/Audio sources via front panel pushbuttons, RS-232, or IR remote control
- Superior video quality – up to 1920 x 1440
- Video DynaSync™ – Exclusive ATEN technology eliminates boot-up display problems and optimizes resolution when switching between ports

Front



Rear



VS291 / VS491

2/4-Port VGA Switch



Features

- Displays the video output of 2 / 4 computers on a single monitor or projector.
- High resolution video - up to 1920 x 1440.
- Long distance transmission - up to 10m
- DDC, DDC2, DDC2B Compatible.

Rear



Video Splitters



ATEN video splitters not only duplicate a single video source to multiple outputs but also boost the signal so it can be sent over longer distances without degradation. Multiple splitters can be cascaded up to three levels to provide a high number of displays in multiple locations. Models with audio functionality are also available. ATEN video splitters are ideal for public broadcasting, computer stores, classrooms, training facilities, and digital signage applications.

- **Cost Effective Expansion**

Video splitters easily and economically transmit the signals from a single AV source to multiple output devices so that all the connected monitors display the same content simultaneously. If an application calls for more displays, its installation can be expanded by cascading additional units via port connections on the splitter.

- **High Bandwidth – Crisp Output**

With ultra-high bandwidth support, images appear crisp, clear, and true on each of the target displays.

- **Outstanding Multimedia Support**

In addition to high-quality video, the integrated audio component delivers an outstanding AV experience when working with modern multimedia applications.

- **True 4K, HDR**

Models are available with support for up to True 4K resolutions with HDR that are compatible with mainstream HDR formats, delivering more vivid and vibrant video for all your applications.

Note: 1.The features highlighted above are not available in all products. Please refer to each product page for more details.

2.Product information is subject to change without prior notice.

Video Splitters Comparison

	VS192	VS194	VS0108HB	VS182B	VS184B
Interface	DisplayPort	DisplayPort	HDMI	HDMI	HDMI
Input Port	1				
Output Port	2	4	8	2	4
Max. Resolution	4096 x 2160 @ 60Hz (4:4:4)				
Max. Distance	3m	3m	6m	15m	15m
Audio	DisplayPort	DisplayPort	HDMI	HDMI	HDMI
Control	N/A	N/A	RS-232	N/A	N/A
EDID Support	✓				
Max. Bandwidth	21.6 Gbps	21.6 Gbps	18 Gbps	18 Gbps	18 Gbps
HDCP	HDCP 1.3	HDCP 1.3	HDCP 2.2	HDCP 2.2	HDCP 2.2

Video Splitters Comparison

	VS0110HA	VS182A	VS184A	VS82H	VS172	VS174
Interface	HDMI	HDMI	HDMI	HDMI	DVI	DVI
Input Port	1					
Output Port	10	2	4	2	2	4
Max. Resolution	4096 x 2160 @ 60Hz (4:2:0) 4096 x 2160 @ 30Hz (4:4:4)	4096 x 2160 @ 60Hz (4:2:0) 4096 x 2160 @ 30Hz (4:4:4)	4096 x 2160 @ 60Hz (4:2:0) 4096 x 2160 @ 30Hz (4:4:4)	4096 x 2160 @ 60Hz (4:4:4)	2560 x 1600	2560 x 1600
Max. Distance	15m	15m	15m	3m	5m	5m
Audio	HDMI	HDMI	HDMI	HDMI	Stereo Audio	Stereo Audio
Control	RS-232	N/A	N/A	N/A	RS-232	RS-232
EDID Support	✓	N/A	N/A	✓	✓	✓
Max. Bandwidth	10.2 Gbps	10.2 Gbps	10.2 Gbps	18 Gbps	13.5 Gbps	13.5 Gbps
HDCP	HDCP 1.4	HDCP 1.4	HDCP 1.4	HDCP 2.2	N/A	N/A

	VS162	VS164	VS146	VS0102	VS0104
Interface	DVI	DVI	SDI	VGA	VGA
Input Port	1				
Output Port	2	4	6	2	4
Max. Resolution	1920 x 1200	1920 x 1200	2048 x 1080	1920 x 1440	1920 x 1440
Max. Distance	5m	5m	300m	30m	30m
Audio	Stereo Audio	Stereo Audio	N/A	Stereo Audio	Stereo Audio
Control	N/A	N/A	N/A	RS-232	RS-232
EDID Support	N/A	N/A	N/A	✓	✓
Max. Bandwidth	6.75 Gbps	6.75 Gbps	2.97 Gbps	450 MHz	450 MHz
HDCP	HDCP 1.3	HDCP 1.3	N/A	N/A	N/A

	VS132A	VS134A	VS138A	VS92DP	VS92A	VS94A	VS98A
Interface	VGA	VGA	VGA	DisplayPort	VGA	VGA	VGA
Input Port	1						
Output Port	2	4	8	2	2	4	8
Max. Resolution	2048 x 1536	2048 x 1536	2048 x 1536	3840 x 2160 @ 60Hz (4:4:4)	1920 x 1440	1920 x 1440	1920 x 1440
Max. Distance	30m	30m	30m	3m	30m	30m	30m
Audio	N/A	N/A	N/A	DisplayPort	N/A	N/A	N/A
Control	N/A	N/A	N/A	USB Channel	N/A	N/A	N/A
EDID Support	N/A	N/A	N/A	✓	N/A	N/A	N/A
Max. Bandwidth	450 MHz	450 MHz	450 MHz	21.6 Gbps	350 MHz	350 MHz	350 MHz
HDCP	N/A	N/A	N/A	HDCP 1.3	N/A	N/A	N/A

VS192 / VS194

2/4-Port True 4K DisplayPort Splitter



Features

- Connects 1 DisplayPort source to 2 DisplayPort monitors
- Supports DisplayPort 1.2a; HDCP 1.3
- Supports resolutions up to 4096 x 2160 / 3840 x 2160 @ 60 Hz
- Supports MST / Extend Mode* and SST/ Split Mode

Note: MST/ Extend Mode: Extends a video source across 2 / 4 displays with a maximum resolution of 4K.SST/ Split Mode: Duplicate a single video source to 2 / 4 displays with a maximum resolution of 4K on each monitor

Front



Rear



VS0108HB

8-Port True 4K HDMI Splitter



Features

- HDMI (3D, Deep color, 4K); HDCP 2.2 compliant
- Superior video quality – up to True 4K resolutions (4096 x 2160 @ 60Hz 4:4:4)
- Long distance transmission from source to output - up to 10 m
- Built-in bi-directional RS-232 serial control port for high-end system control

Front



Rear



VS182B / VS184B 2/4-Port True 4K HDMI Splitter



Features

- Connects one HDMI source to 2 / 4 HDMI displays at the same time
- HDMI (3D, Deep Color, 4K); HDCP 2.2 Compatible
- Max pixel clock rate up to 600 MHz
- Long distance transmission- up to 15 m(1920x1200)/ 1.8m (True 4K)*

Note: Compatible with ATEN 2L-7D02H

Front



Rear



VS0110HA 10-Port 4K HDMI Splitter



Features

- HDMI (3D, Deep color, 4K); HDCP 1.4 compliant
- Superior video quality – up to 4K resolutions (4096 x 2160 @ 60Hz; 4:2:0)
- Long distance transmission from source to output - up to 15 m
- Built-in bi-directional RS-232 serial control port for high-end system control

Front



Rear



VS182A / VS184A

2/4-Port 4K HDMI Splitter



Features

- Connects one HDMI source to 2 / 4 HDMI displays at the same time
- HDMI (3D, Deep Color, 4K); HDCP 1.4 Compliant
- Long distance transmission – up to 15 m (24 AWG)
- Supports max. data rate of 10.2 Gbps

Front



Rear



VS82H

2-Port True 4K HDMI Splitter



Features

- Distributes one True 4K source to 2 HDMI displays at the same time
- Automatic downscaling function – automatically adjusts the resolution to 1080p for 1080p displays to fit their optimal output
- HDMI (3D, Deep Color, 4K); HDCP 2.2 compliant
- Quality and durable aluminum metal enclosure



VS172 / VS174

2/4-Port DVI Dual Link/Audio Splitter



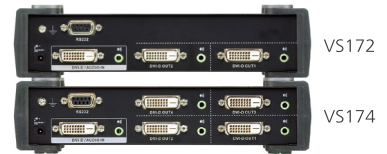
Features

- Displays DVI audio/video to 2 / 4 DVI-compatible monitors or projectors
- Superior video quality - up to 2560 x 1600 @ 60 Hz including 2K-resolution (2048 x 2048 @ 60 Hz)
- RS-232 Chain Control – use RS-232 commands to control cascaded devices via a DVI Cable
- Audio enabled

Front



Rear



VS162 / VS164

2/4-Port DVI/Audio Splitter



Features

- Connects computers with DVI graphics to 2 / 4 DVI compatible monitors or projectors
- Fully compliant with DVI-Digital and DVI-Analog
- Maintains highest single link video resolution (up to 1920 x 1200)
- Speaker enabled for audio enjoyment

Front



Rear



VS146 6-Port 3G-SDI Splitter



Features

- One video inputs to 6 video outputs
- Supports an SDI distance of up to 90M (3G-SDI), 150M (HD-SDI) or 300M (SD-SDI) of RG6
- Supported SDI formats: SD-SDI (SMPTE 259M, up to 270Mbps) HD-SDI (SMPTE 292M, 296M up to 1.485 Gbps) 3G-SDI (SMPTE 424M, 425M level A,B up to 2.97 Gbps)
- Locking power connector for secure communications

Front



Rear



VS0102 / VS0104 2/4-Port VGA/Audio Splitter (450MHz)



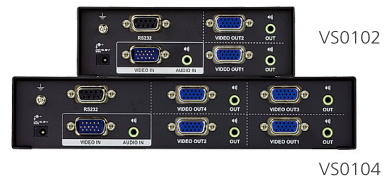
Features

- One video input to 4 video outputs
- Supports up to 450MHz bandwidth for high performance video
- Superior video quality – up to 1920 x 1440 @ 60Hz
- Supports stereo audio

Front



Rear



VS132A / VS134A / VS138A

2/4/8-Port VGA Splitter (450MHz)



Features

- One video input to 2 / 4 / 8 video outputs
- Superior video quality - up to 2048 x 1536
- Supports up to 450 MHz bandwidth
- Built-in 1.5 GHz amplifier to ensure video system maintain excellent fidelity

Front



Rear



VS92DP

2-Port True 4K DisplayPort MST Hub



Features

- Distributes one True 4K source to two DisplayPort displays at the same time
- Allows Multi-Stream Transport (MST) Mode for multitasking
- DisplayPort 1.2; HDCP 1.3 compliant
- High quality and durable aluminum enclosure



VS92A / VS94A / VS98A

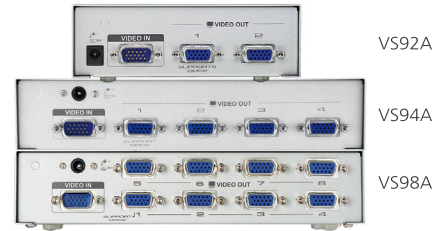
2/4/8-Port VGA Splitter (350MHz)



Features

- One video input to 2 / 4 / 8 video outputs
- Superior video quality - 1920 x 1440@60Hz
- Supports 350 MHz bandwidth
- Cascadable to 3 levels - provides up to 8 / 64 / 512 video signals

Rear



Video Extenders, Video Boosters



ATEN video extender solutions offer a full range of options that allow you to extend the distance between the source devices and displays in your video installations by from up to 300 m to 20 km. They are ideal for all applications in which remote video displays are required, allowing you to place your computers or source devices in a secure and safe environment. ATEN video extender solutions are available in all popular interfaces and with a variety of innovative features and exclusive technologies.

- **Networked AV**

ATEN's Video over IP solution delivers visually lossless True 4K AV signals with low latency over long distances via a standard Gigabit network. It is designed to address the challenges that system integrators encounter when implementing AV over IP solutions and provides an effective, easy-to-use, and economical digital signage solution.

- **Dante™ Audio Networking**

ATEN's Dante-enabled products make full use of Dante™ – the most popular audio networking solution created by Audinate – to deliver uncompressed, close-to-zero latency digital audio across your standard IP network. This solution is highly scalable from simple pairings to large networks with hundreds of audio channels.

- **HDBaseT™ Extenders**

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-to mid-sized areas.

As a contributor member of the HDBaseT Alliance, ATEN, with four decades of IT management and control experience, helps the Alliance to accelerate the integration of AV / IT technologies. In addition, ATEN utilizes the full capabilities of HDBaseT technology to develop a complete HDBaseT lineup – from the VE1843 transceiver, which features the latest HDBaseT spec 3.0 to transmit uncompressed True 4K HDMI with multiple control signals up to 100 m, to a wide range of modular matrix switches, extenders, and splitters – to fulfill Pro AV demands in various scenarios.

- **Wall Plates**

Wall plate extenders manage and deliver signals while concealing cables and keeping other equipment out of sight. ATEN's range of wall plate extension solutions deliver HDMI / DVI / VGA and audio signals via HDBaseT / Cat5e / 6 / 6a / ATEN 2L-29330 up to True 4K @ 100 m (HDBaseT Class A), 4K @ 40 m (HDBaseT Class B), and 1080p@40 m, and are designed to meet US, EU, and MK standards.

- **Fiber Optic / AOC**

ATEN offers True 4K HDMI optical extender solutions that transmit True 4K HDMI up to 10 km and 1080p up to 20 km, as well as a True 4K HDMI Active Optical Cable that is EMI-resistant and fully compliant with HDCP 2.2 standards, meeting HDMI specifications including 3D, deep color, and data rates up to 18 Gbps.

• Wireless

Convenient location flexibility and line-of-sight 1080p wireless transmission up to 30 m, with uncompressed FHD video quality, zero latency and high hacker protection.

• Cat 5 / Cat 6 Extenders

ATEN provides a wide range of long-distance extension solutions utilizing equalizer technology that connect via Cat 5e / 6 / 6a cables, including HDMI, HDMI / USB, HDMI / IR, DVI, Dual Link DVI with Audio, VGA, VGA with Audio, and VGA / Audio / RS-232 models.

In addition, the latest VE1821 4K HDMI Cat 6 Extender is capable of transmitting 4K source signals without delay through a single cat6 cable and supports lossless audio formats including LPCM 7.1CH, Dolby TrueHD, Dolby Digital+ and DTS-HD Master Audio to maximize the audio and visual experience.

• Boosters

ATEN boosters amplify and transmit signals to increase distances in your AV installation. Models that support True 4K HDMI up to 10m / 1080P up to 20 m and 1280x1024 VGA up to 70 m are available.

Specifications at a Glance

Networked AV

Connection	Video over IP				
Video Interface	HDMI				
Model	VE8662	VE8962T/R	VE8952T/R	VE8950T/R	VE8900T/R
Inputs to Outputs	Multiple to Multiple	Multiple to Multiple	Multiple to Multiple	Multiple to Multiple	Multiple to Multiple
Max. Resolution / Distance	True 4K@100m	True 4K@100m	4K@100m	4K@100m	1080p@100m
HDCP	2.2	2.2	1.4	1.4	1.4
Audio	✓ (HDMI / Stereo)	✓ (HDMI / Stereo)	✓ (HDMI / Stereo)	✓ (HDMI / Stereo)	✓ (HDMI / Stereo)
RS-232 Channel	✓	✓	✓	✓	✓
IR Channel	N/A	✓	✓	✓	✓
USB Channel	✓	✓	✓	✓	✓
Scaler	✓	✓	✓	✓	✓
PoE	✓	✓	✓	N/A	N/A

Dante™ Audio

Connection	Audio over IP
Model	VE66DTH
Audio Interface	Mic/Line in, Line Out, HDMI In, HDMI Out
Inputs to Outputs	6 to 6 (Line/Mic In to Line Out) 2 to 2 (HDMI Stereo In to Stereo Out)
Distance	100m
Phantom Power	48V
Pre-Amp	✓
Video	HDMI In, HDMI Out
Video Max. Resolution & HDCP	True 4K, HDCP 2.2

PoH / PoE Power Injector

Connection	HDBaseT™ / over IP
Model	VE44PB
Interface	HDBaseT / over IP
Inputs to Outputs	Input: 4 x RJ-45 (w/o PoE) Output: 4 x RJ-45 (w/ PoE)
Distance	80% of original distance

HDBase™

Connection	HDBase™ 3.0 ¹			HDBase™ (Class A) ¹				
Video Interface	HDMI		DisplayPort & HDMI & VGA	HDMI	HDMI & VGA	HDMI	HDMI	HDMI
Model	VE1833	VE1843	VE3912T	VE816R	VE2812AT	VE2812PR	VE814A	VE813A
Inputs to Outputs	1 to 1	1 to 1	3 Inputs, 1 Local Output	1 Output	2 Inputs	1 output	1 to 3	1 to 1
Max. Resolution / Distance	True 4K @ 40m	True 4K @ 100m	4K@100m, 1080p@100m; 1920 x1200@100m	4K@100m; 1080p@100m	4K@100m; 1080p@100m; 1920 x1200@100m	4K@100m; 1080p@100m	4K@100m; 1080p@100m	4K@100m; 1080p@100m
HDR	✓	✓	N/A	N/A	N/A	N/A	N/A	N/A
HDCP	2.3 / 2.2	2.3 / 2.2	2.2	2.2	2.2	2.2	2.2	2.2
Long Reach Mode²	N/A	✓	✓ (Active)	✓ (Passive)	✓ (Active)	✓ (Active)	✓ (Active)	✓ (Passive)
Audio	✓ (HDMI / Stereo)	✓ (HDMI / Stereo)	✓ (HDMI / Stereo / DisplayPort)	✓ (HDMI)	✓ (HDMI / Stereo)	✓ (HDMI / Stereo / Coaxial)	✓ (HDMI)	✓ (HDMI)
RS-232 Channel	✓	✓	✓	✓	✓	✓	✓	N/A
IR Channel	✓	✓	✓	✓	✓	✓	✓	N/A
USB Channel	✓	✓	N/A	N/A	N/A	N/A	N/A	✓ (USB2.0)
Ethernet Channel	N/A	✓	N/A	N/A	N/A	N/A	✓ ³	N/A
PoH	✓	N/A	✓ (PD)	N/A	✓ (PD)	✓ (PSE+PD)	N/A	N/A
Scaler	N/A	N/A	N/A	✓	N/A	N/A	N/A	N/A

Connection	HDBase™ (Class A) ¹				HDBase™ (Class B) ¹			
Video Interface	HDMI	HDMI	HDMI	HDMI	HDMI	HDMI	DisplayPort	DVI
Model	VE811	VE1812	VE812	VE1830	VE805R	VE801 / VE802	VE901	VE601
Inputs to Outputs	1 to 1	1 to 1	1 to 1	1 to 1	1 output	1 to 1	1 to 1	1 to 1
Max. Resolution / Distance	4K@100m; 1080p@100m	4K@100m; 1080p@100m	4K@100m; 1080p@100m	True 4K@35m; 1080p@70m	1080p@70m	4K@40m; 1080p@70m	4K@40m; 1080p@70m	1920 x 1200@40m; 1080p@70m
HDR	N/A	N/A	N/A	✓	N/A	N/A	N/A	N/A
HDCP	2.2	2.2	2.2	2.2	1.4	2.2	1.4	1.4
Long Reach Mode²	✓ (Active)	✓ (Active)	✓ (Passive)	N/A	N/A	N/A	N/A	N/A
Audio	✓ (HDMI)	✓ (HDMI)	✓ (HDMI)	✓ (HDMI)	✓ (HDMI)	✓ (HDMI)	✓ (DisplayPort)	N/A
RS-232 Channel	N/A	✓	N/A	✓	✓	✓ (VE802)	N/A	N/A
IR Channel	N/A	✓	N/A	N/A	✓	✓ (VE802)	N/A	N/A
USB Channel	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ethernet Channel	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PoH	N/A	PSE: VE1812T PD: VE1812R	N/A	POC	N/A	PSE: VE802T PD: VE802R	N/A	N/A
Scaler	N/A	N/A	N/A	N/A	✓	N/A	N/A	N/A

Wall Plates

Connection	HDBase™ (Class A) ¹		HDBase™ (Class B) ¹		HDBase™ (Class B) ¹		Cat 5 / Cat 6	
Video Interface	HDMI & VGA		HDMI		DisplayPort		HDMI	HDMI
Type	EU / MK	US	MK / EU	US	MK / EU	US	MK / EU	US
Model	VE2812AEUT	VE2812AUST	VE1801AEUT	VE1801AUST	VE1901AEUT	VE1901AUST	VE807	VE806
Inputs to Outputs	2 inputs	2 inputs	1input	1 input	1input	1 input	1 to 1	1 to 1
Max. Resolution / Distance	4K@100m; 1080p@100m	4K@100m; 1080p@100m	4K@40m; 1080p@70m	4K@40m; 1080p@70m	4K@40m; 1080p@70m	4K@40m; 1080p@70m	1080p@40m; 1080i@60m	1080p@40m; 1080i@60m
HDCP	2.2	2.2	2.2	2.2	2.2	2.2	1.4	1.4
Audio	✓ (HDMI / Stereo)	✓ (HDMI / Stereo)	✓ (HDMI)	✓ (HDMI)	✓ (DisplayPort)	✓ (DisplayPort)	✓ (HDMI / Stereo)	✓ (HDMI / Stereo)
Long Reach Mode²	✓ (Active)	✓ (Active)	N/A	N/A	N/A	N/A	N/A	N/A
RS-232 Channel	✓	✓	✓	✓	✓	✓	N/A	N/A
IR Channel	✓	✓	N/A	N/A	N/A	N/A	✓	✓
PoH	✓ (PD)	✓ (PD)	✓ (PD)	✓ (PD)	✓ (PD)	✓ (PD)	N/A	N/A

Wireless

Connection	Wireless
Video Interface	HDMI & Component
Model	VE829
Inputs to Outputs	5 to 2
Max. Resolution / Distance	1080p@30m
HDR	N/A
HDCP	1.4
Audio	✓ (HDMI)
RS-232 Channel	N/A
IR Channel	✓ (Control)
USB Channel	✓ (HID)

Fiber Optic / AOC

Connection	Fiber Optic		AOC	
	HDMI	HDMI	HDMI	
Video Interface			VE781010 / VE781020 / VE781030	VE7831A / VE7832A / VE7833A / VE7834A / VE7835A
Model	VE883A	VE882		
Inputs to Outputs	1 to 1	1 to 1	1 to 1	1 to 1
Max. Resolution / Distance	True 4K @ 300m / 10km	1080p@ 600m	True 4K @10m / @20m / @30m	True 4K @10m / @20m / @30m / @60m / @100m
HDR	N/A	N/A	✓	✓
HDCP	2.2	1.4	2.2	2.2
Audio	✓ (HDMI)	✓ (HDMI)	✓ (HDMI)	✓ (HDMI)
RS-232 Channel	✓	✓	N/A	N/A
IR Channel	✓	✓	N/A	N/A
USB Channel	✓	N/A	N/A	N/A
Ethernet Channel	✓	N/A	N/A	N/A

Cat5 / Cat6 Extenders

Connection	Cat 6				Cat 5 / Cat 6		
	HDMI				DVI		
Video Interface							
Model	VE1821	VE800A	VE803	VE810	VE602	VE600A	VE066
Inputs to Outputs	1 to 2	1 to 1			1 to 1		
Max. Resolution / Distance	Cat 6: 4K@40m; 1080p@50m	1080p@40m; 1080i@60m			Dual Link: 2560 x 1600@40m Single Link: 1920 x 1200@40m; 1280 x 1024@60m	1080p@40m; 1080i@60m	1080p x 1200@15m
Audio	✓ (HDMI)	✓ (HDMI)			✓ (Stereo)	✓ (Stereo)	N/A
RS-232 Channel	N/A	N/A			N/A	N/A	N/A
IR Channel	✓	N/A	N/A	✓	N/A	N/A	N/A
USB Channel	N/A	N/A	✓	N/A	N/A	N/A	N/A

Connection	Cat 5 / Cat 6		
	VGA		
Video Interface			
Model	VE150A	VE170	VE170Q
Inputs to Outputs	1 to 1		
Max. Resolution / Distance	1920 x 1200@30m; 1280 x 1024@150m	1920 x 1200@30m; 1024 x 768@300m	1920 x 1200@150m; 1280 x 1024@300m
Audio	N/A	✓	N/A
RS-232 Channel	N/A	N/A	N/A
IR Channel	N/A	N/A	N/A
USB Channel	N/A	N/A	N/A

Boosters

Video Interface	DisplayPort		HDMI
	VB905		
Model			
Inputs to Outputs	1 to 1		
Max. Resolution / Distance	4K@60Hz (4:4:4) / 10m		4K@60Hz (4:4:4) / 10m 1080p@60Hz / 20m
HDCP	2.2		2.2
HDR	✓		✓

1. Ensure high quality maximum distance video transmission with ATEN HDBaseT Cat 6a cable 2L-29330.
2. Models marked Active provide Long Reach Mode support which can be activated via a switch on the unit. Models marked Passive provide automatic Long Reach Mode support when activated by another device.
3. The function is supported by VE814A-AT only.

VE66DTH

6 x 6 Dante Audio Interface with HDMI



Features

- Features Dante™ networked audio interface – a complete audio networking solution that distributes, multi-channel audio transmission via standard Ethernet networks, with near-zero latency and perfect synchronization
- Integrates up to 6-channel balanced mono audio Mic / Line input signals onto a Dante-enabled audio system and supports both dynamic and condenser microphones
- Delivers up to 6-channel balanced mono audio Line outputs from the Dante network to the audio system
- Supports HDMI input with HDCP 2.2 compliant & HDMI local output

Front



Rear



VE8662

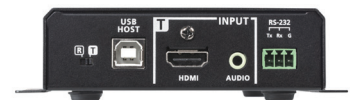
True 4K HDMI H.265 over IP Transceiver with PoE



Features

- Extends True 4K HDMI signals over IP by a single Ethernet cable with ultra-low latency
- Extends AV connections from a simple point-to-point to a multi-point-to-multi-point setup via LAN without distance limitations, and offers multi-functionality for extender, splitter, matrix switch, and video wall applications
- Drag and drop video sources via the intuitive web GUI, while previewing the source, monitoring the display, and checking the status of the devices
- Seat Management with push and pull functionality and USB support for easy configuration and control

Front



Rear



VE8962T / VE8962R

True 4K HDMI over IP Transmitter / Receiver with PoE (True 4K@100m)



Features

- Extends AV connections from a simple point-to-point to a multi-point to multi-point setup via LAN without distance limitations
- Offers multi-functionality in extender, splitter, matrix switch, video wall and daisy chain applications via friendly LCM and Web GUI operation
- Mix and match the latest True 4K video, stereo audio and control signals over IP, delivers HDMI visually lossless high-quality video up to 4Kx2K@60Hz, with audio embed & de-embed function
- Dual redundancy design – DC in and POE for power redundancy & fiber and category transmission ability for over IP connection redundancy
- Supports Video Wall – horizontal and vertical display

Front



Rear



VE8952T / VE8952R

4K HDMI over IP Transmitter / Receiver with PoE (4K@100m)



Features

- Extends AV connections from a simple point-to-point to a multi-point to multi-point setup via LAN
- Delivers visually lossless high-quality video up to 4K @ 30 Hz 4:4:4
- Daisy Chaining – Connects multiple displays through a single port
- Supports Video Wall – horizontal and vertical display

Front



Rear



VE8950T / VE8950R

4K HDMI over IP Transmitter / Receiver (4K@100m)



Features

- Extends AV connections from a simple point-to-point to a multi-point to multi-point setup via LAN
- Delivers visually lossless high-quality video up to 4K @ 30 Hz 4:4:4
- Daisy Chaining – Connects multiple displays through a single port
- Supports Video Wall – horizontal and vertical display

Front



Rear



VE8900T / VE8900R

HDMI over IP Transmitter / Receiver (1080p@100m)



Features

- Extends AV connections from a simple point-to-point to a multi-point to multi-point setup via LAN
- Delivers HDMI visually lossless high-quality video up to 1080p @ 60 Hz
- Daisy Chaining – Connects multiple displays through a single port
- Supports Video Wall – horizontal and vertical display

Front



Rear



VE8900 / VE8950 Control App

VE8900/VE8950 Control App – Mobile App



VE8900 / VE8950 Control App



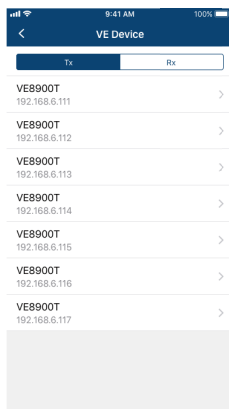
Turn your mobile phone into a remote control for VE8900 / VE8950 / VE8952

The VE8900 / 8950 Control App is a free app that supports iOS and Android operating systems.

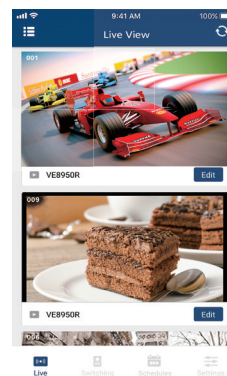
This mobile app provides intuitive operation with direct access to VE Manager anytime, anywhere to make networked AV even easier than before.

Features

- **Simple Login** — Auto search for devices and tap any transmitter to log in.



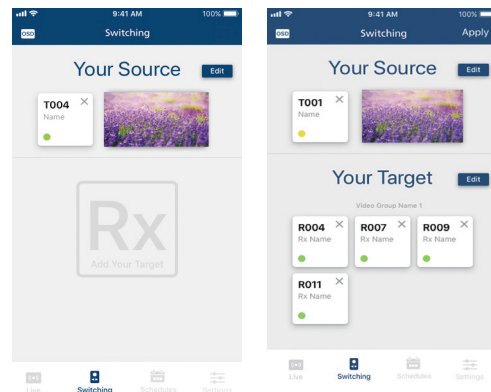
- **Monitor** – Check the status of receivers and all your digital signage content.



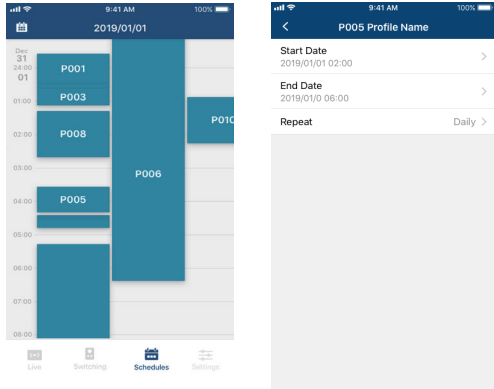
- **Preview** – Review video sources before switching.



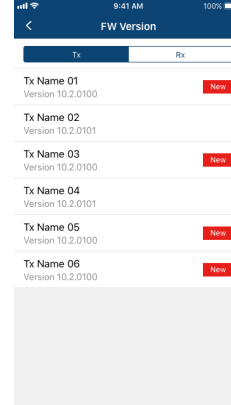
- **Control** – Switch a source to multiple receivers instantly.



- **Calendar-based Scheduling** – Check and revise the display schedule on the go.



- **Firmware Update Reminder** – Keeps you posted about the latest updates.



VE1833 True 4K HDMI / USB HDBaseT 3.0 - Lite Transceiver



Features

- Extends uncompressed True 4K HDMI signals up to 40 m over a single Cat 6a cable (HDBaseT 3.0 Certified Cat 6a U/ FTP cable* / ATEN 2L-29330 Cat 6a cable) with zero latency
- Compliant with HDBaseT 3.0 standards – transmits high-quality video, full range IR, bi-directional RS-232, independent stereo audio and USB 2.0 signals channel bypass
- Superior video quality – up to 4096 x 2160 @ 60 Hz (4:4:4); HDR, HDR+, Dolby Vision supported
- Supports HDMI audio embedding / de-embedding functions

Front



Rear



VE1843

True 4K HDMI / USB HDBaseT 3.0 Transceiver
(True 4K@100m) (HDBaseT 3.0)



Features

- Extends uncompressed True 4K HDMI signals up to 100 m over a single Cat 6a cable (HDBaseT 3.0 Certified Cat 6a U/ FTP cable / ATEN 2L-29330 Cat 6a cable) with zero latency
- Compliant with HDBaseT 3.0 standards – transmits high-quality video, full range IR, bi-directional RS-232, Gigabit Ethernet, independent stereo audio and USB 2.0 signals channel bypass
- Superior video quality – up to 4096 x 2160 @ 60 Hz (4:4:4); HDR, HDR+, Dolby Vision supported
- Supports HDMI audio embedding / de-embedding functions

Front



Rear



10

VE1830

True 4K HDMI HDBaseT-Lite Extender
(True 4K@35m) (HDBaseT Class B)



Features

- Extends True 4K HDMI signal up to 35m over a single Cat 5e/6
- HDMI (3D, Deep Color, True 4k); HDCP 2.2 compliant
- Superior video quality – up to True 4K resolutions of 3840 x 2160 @ 60Hz (4:4:4)
- Supports HDR10+

Front



Rear



VE44PB

4-Output PoH / PoE Power Injector



Features

- Supplies power for up to four ATEN Power-over-HDBaseT (PoH) /Power-over-Ethernet (PoE) compatible products over Cat 5e/6/6a cables
- HDBaseT connectivity – extends HDMI connection over a long distance via Cat 6/6a cables
- Supplies up to 15.4W of power per PSE port
- Assured signal quality – usage of the VE44PB power injector does not affect the signal quality of the video, audio, bi-directional RS-232, and Ethernet transmission

Front



Rear



VE816R

4K HDMI HDBaseT Receiver with Scaler (4K@100m) (HDBaseT Class A)



Features

- Extends HDMI, RS-232, and IR signals up to 100 m over a single Cat 5e/6/6a or ATEN 2L-29330 Cat 6a cable
- Scaler – scales videos of different resolutions to their optimal output for display and to avoid black screen
- Video Wall – features video wall profiles that allows for custom screen layouts via an intuitive web GUI
- Superior video quality: 4K up to 100 m 1080p up to 150 m

Front



Rear



VE805R

HDMI HDBaseT-Lite Receiver with Scaler
(1080p@70m) (HDBaseT Class B)



Features

- HDBaseT Connectivity – extends the connection between the VM8514 HDBaseT outputs and an HDMI display over a long distance via single Cat 5e/6a cable
- Scaler – features a scaling function to integrate a video wall seamlessly with various output formats
- Seamless Switch™ – close-to-zero second switching that provides continuous video streams, real-time switching and stable signal transmissions
- Video Wall – features configurable video wall profiles available for custom screen layouts via simple point-n-click web GUI

Front



Rear



VE3912T

DisplayPort / HDMI / VGA Switch with HDBaseT Transmitter
(4K@100m) (HDBaseT Class A)



Features

- Extends DisplayPort, HDMI or VGA signals up to 100 m over a single Cat 6/6a or ATEN 2L-29330 Cat 6a cable
- Auto Switch Mode – allows the VE3912T to automatically switch to a newly plugged-in source
- Mirrored Video Output – supports 4K@30Hz, 4:4:4 over the HDBaseT output, and a local HDMI output
- PoH (Power over HDBaseT) – with its built-in PoH function, it receives power from the HDBaseT output port on the connected device

Front

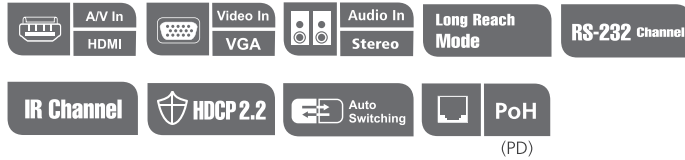


Rear



VE2812AT

HDMI & VGA HDBaseT Transmitter with PoH
(4K@100m) (HDBaseT Class A)



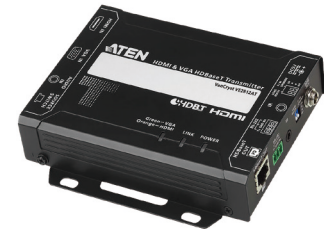
Features

- Extends HDMI or VGA signals over a single Cat 5e/6/6a cable
- HDMI: 4K / 1080p at distance up to 100m via a Cat 5e/6/6a or ATEN 2L-29330 Cat 6a cable
- VGA: 1600 x 1200 and 1920 x 1200 up to 100m via a Cat 5e/6/6a or 2L-29330 Cat 6a cable
- Supports HDBaseT Long Reach Mode – up to 150 m via a single Cat 5e/6 cable at resolutions up to 1080p
- Built-in PoH (Power over HDBaseT) function – the VE2812AT receives power supply from the HDBaseT output port on the connected device
- Supports Auto Switch – allows the VE2812AT automatically switch to a newly plugged-in source

Front



Rear



VE2812PR

HDMI HDBaseT Receiver with Audio De-embedding /
Bi-directional PoH (4K@100m) (HDBaseT Class A)



Features

- Transmits 4K HDMI up to 100 m / 330 ft via a Cat 5e / 6 / 6a or 2L-29330 Cat 6a cable
- Bi-directional PoH:
 - allows a PoH PD-enabled Tx to be remotely powered by the locally powered VE2812PR
 - enables power distribution from a PoH PSE-enabled Tx to the VE2812PR over the cable
- Audio de-embedding – extracts audio stream from the HDMI source and delivers as a separate audio from HDMI to Coaxial S/PDIF, or Stereo audio output

Front

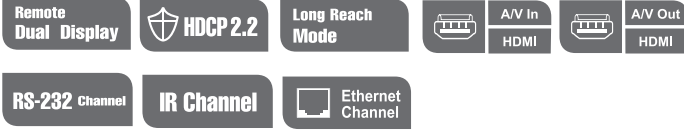


Rear



VE814A

HDMI HDBaseT Extender with Dual Output
(4K@100m) (HDBaseT Class A)



Features

- Extends HDMI signals to one local and two remote displays up to 100 m over a single Cat 5e/6/6a or ATEN 2L-29330 Cat 6a cable
- HDMI (3D, Deep Color, 4K); HDCP 2.2 compatible
- Superior video quality:
 - 4K up to 100 m
 - 1080p up to 150 m when in HDBaseT Long Reach Mode
- Supports two IR channels for simultaneous IR signal transmissions, ranged from 30 KHz to 56 KHz



10

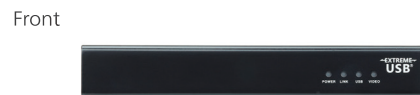
VE813A

4K HDMI HDBaseT Extender with ExtremeUSB®
(4K@100m) (HDBaseT Class A)



Features

- Implements HDBaseT extension technology using only one Cat 5e / 6 / 6a cable to connect the transmitter and receiver
- ExtremeUSB ® – supports transparent USB 2.0 signals and true plug-and-play (no software or drivers required)
- USB 2.0 Support – connects devices such as keyboard, mouse, flash drive, printer, touch panel and other USB devices which require moderate amounts of bandwidth
- Supports Dolby True HD and DTS HD Master Audio



VE811

HDMI HDBaseT Extender (4K@100m) (HDBaseT Class A)



Features

- HDBaseT connectivity – extends 4K HDMI signals up to 100m via a single Cat 5e/6/6a or ATEN 2L-29330 Cat 6a cable
- Supports HDBaseT Long Reach Mode – up to 150 m via a single Cat 5e/6 cable at resolutions up to 1080p
- Supports resolutions of up to 4K and 1080p
- HDCP 2.2 compatible

Front

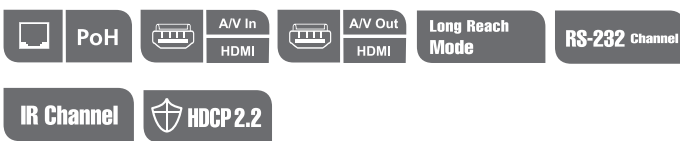


Rear



VE1812

HDMI HDBaseT Extender with PoH (4K@100m) (HDBaseT Class A)



Features

- HDBaseT Connectivity – extends an HDMI connection over a long distance via one Cat 5e / 6 / 6a cable
- Supports HDBaseT Long Reach Mode – up to a maximum range of 150 meters @ 1080p
- Bi-directional RS-232 channel – allows you to connect to serial terminals or serial devices, such as touch screens and barcode scanners
- PoH (Power over HDBaseT) – supplies power from Transmitter to Receiver over a long distance via one Cat 5e / 6 / 6a cable

Front



Rear



VE812

HDMI HDBaseT Extender (4K@100m) (HDBaseT Class A)



Features

- Implements HDBaseT extension technology using only one Cat 5e cable to connect the transmitter and receiver
- HDMI (3D, Deep Color, 4kx2k); HDCP Compatible
- Supports resolutions of up to Ultra HD 4kx2k and 1080p Full HD
- Long distance transmission - up to 100m

Front



Rear



VE801

HDMI HDBaseT-Lite Extender (4K@40m) (HDBaseT Class B)



Features

- Extends HDMI signals over a single Cat 5e/6/6a cable or ATEN 2L-29330 Cat 6a cable
- HDMI (3D, Deep color, 4K); HDCP 2.2 compliant
- Superior video quality – up to 4K@35m (Cat 5e/6) / 40m (Cat 6a or 2L-29330 Cat 6a cable)
- HDBaseT Anti-jamming – resists signal interference during high-quality video transmission using HDBaseT technology

Front



Rear



VE802

HDMI HDBaseT-Lite Extender with PoH
(4K@40m) (HDBaseT Class B)



IR Channel

Features

- HDBaseT Connectivity – extends an HDMI connection over a long distance via one Cat 5e/6/6a cable up to 4K@35m (Cat 5e/6) / 40m (Cat 6a or 2L-29330 Cat 6a cable)
- PoH (Power over HDBaseT) – supplies power from Transmitter to Receiver over a long distance via one Cat 5e/6/6a cable
- Bi-directional RS-232 channel – allows you to connect to serial terminals or serial devices, such as touch screens and barcode scanners
- Bi-directional IR channel – IR transmission is processed one direction at a time

Front



Rear



VE901

DisplayPort HDBaseT-Lite Extender
(4K@40m;1080p@70m) (HDBaseT Class B)



Features

- HDBaseT Connectivity – extends a DisplayPort connection up to 70 meters via a single Cat 6a cable or ATEN 2L-29330 Cat 6a cable
- DisplayPort v1.1; HDCP 1.4 compliant
- Superior video quality – 4K @ 35 m (Cat 5e/6) / 40 m (Cat 6a/ATEN 2L-29330 Cat 6a cable) and 1920 x 1080 @ 60m (Cat 5e/6) / 70m (Cat 6a/ATEN 2L-29330 Cat 6a cable)
- HDBaseT Anti-Jamming – resists signal interference during video transmission using HDBaseT technology

Front



Rear



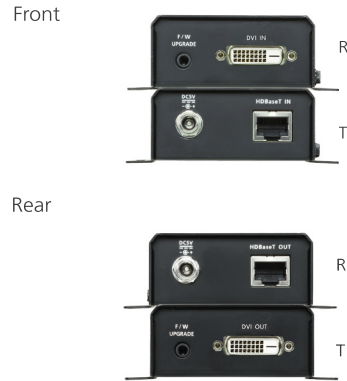
VE601

DVI HDBaseT-Lite Extender (1080p@70m)(HDBaseT Class B)



Features

- HDBaseT Connectivity – extends a DVI 1080p connection up to 70 meters via a single Cat 6a/ATEN 2L-29330 Cat 6a cable
- DVI (3D, Deep color); HDCP 1.4 compliant
- Superior video quality –1920 x 1200@35m (Cat 5e/6) / 40m (Cat 6a); 1080p@60m(Cat 5e/6) / 70m (Cat 6a)
- HDBaseT Anti-Jamming – resists signal interference during video transmission using HDBaseT technology



VE2812AEUT HDMI & VGA HDBaseT Transmitter with EU / US

VE2812AUST Wall Plate / PoH (4K@100m) (HDBaseT Class A)



Features

- Extends HDMI or VGA signals over a single Cat 5e/6/6a cable
 - HDMI: 4K distance up to 100m via a Cat 5e/6/6a or ATEN 2L-29330 Cat 6a cable
 - VGA: 1600 x 1200 and 1920 x 1200 up to 100m via a Cat 5e/6/6a or 2L-29330 Cat 6a cable
- Supports HDBaseT Long Reach Mode – up to 150 m via a single Cat 5e/6 cable at resolutions up to 1080p
- Built-in PoH (Power over HDBaseT) function – the VE2812AEUT / VE2812AUST receives power supply from the HDBaseT output port on the connected device
- Supports Auto Switch – automatically switches to a newly plugged-in source



VE1801AEUT HDMI HDBaseT-Lite Transmitter with EU / US
VE1801AUST Wall Plate / PoH (4K@40m) (HDBaseT Class B)



Features

- Extends HDMI signals with superior video quality over a single Cat 5e/6/6a cable or ATEN 2L-29330 Cat 6a cable
 - 4K up to 40 m
 - 1080p up to 70 m
- Built-in PoH (Power over HDBaseT) function – the VE1801AEUT / VE1801AUST receives power supply from the HDBaseT output port
- Designed to mount in a 1-gang junction box with EU / US wall plate
- Share function – the VE1801AEUT / VE1801AUST can remotely switch source when connecting to a compatible receiver, e.g., VP1421

Front (VE1801AEUT)



Front (VE1801AUST)



Rear



Rear



VE1901AEUT DisplayPort HDBaseT-Lite Transmitter with EU /
VE1901AUST US Wall Plate / PoH (4K@40m) (HDBaseT ClassB)



Features

- Extends DisplayPort signals with superior video quality over a single Cat 5e/6/6a cable or ATEN 2L-29330 Cat 6a cable
 - 4K up to 40 m
 - 1080p up to 70 m
- Built-in PoH (Power over HDBaseT) function – the VE1901AEUT / VE1901AUST receives power supply from the HDBaseT output port
- Designed to mount in a 1-gang junction box with EU / US wall plate
- Share function – the VE1901AEUT / VE1901AUST can remotely switch source when connecting to a compatible receiver, e.g., VP1421

Front (VE1901AEUT)



Front (VE1901AUST)



Rear (VE1901AEUT)



Rear (VE1901AUST)



VE806 / VE807

HDMI / Audio Cat 5 Extender with US / MK Wall Plate (1080p@40m)



Features

- Uses two Cat 5e / 6 (VE807 only) cables to connect the local and remote units - one to transmit video and audio signal, and the other one is used for power signal transmission, real EDID bypass, and HDCP key authentication
- Supports superior video quality – up to 1080p@60Hz (40m), 1080i@60Hz (60m)
- Decor type design is easily configurable to fit various wall plates
- Supports 8 segment equalization adjustment via switch

VE807



Front (VE806R)



Front (VE806T)



Rear (VE806R)



Rear (VE806T)



VE829

5x2 HDMI Wireless Extender (1080p@30m)



Features

- Wireless transmission of full uncompressed HD videos up to 30m for two HDTVs
- Allows you to switch and independently select any of 5 sources (4 x HDMI connectors, 1 x component connector) between 2 HDTVs
- Based on WHDI™ technology – Low latency < 1 ms
- USB HID ports on Transmitter and Receiver units enable wireless keyboard connectivity to control attached computers/laptops

Front



Rear



VE883A

True 4K HDMI Optical Extender (True 4K@300m (K1, MM) / 10km (K2, SM))

300 m 10 km
(VE883AK1) (VE883AK2)



Features

- Extends HDMI video, audio, IR, RS-232 control, and Ethernet signals over a duplex fiber optic cable across up to 10 km
- Lossless transmission of up to 4096 x 2160 / 3840 x 2160 @ 60 Hz (4:4:4) signals
- ATEN's exclusive FarSmooth technology – prevents lagging and freezing by matching the output rates to the input rates and ensures the 4K@60Hz video display to be stable, smooth and identical to the source through 10 Gbps bandwidth
- Supports transparent USB 2.0 signals for expanded connectivity with USB peripherals at a maximum transfer rate of 25MB/s

Front



Rear



VE882

HDMI Optical Extender (1080p@600m)



Features

- Extends the transmission range of HDMI, IR and RS-232 signals using one fiber optic cable
- Very long distance transmission – up to 600m
- HDMI (3D, Deep Color), HDCP compatible – signaling rates up to 3.125 Gbits
- Supports bi-directional IR signal transmission, one way at a time

Front



Rear



- VE7831A** 10 m True 4K HDMI Active Optical Cable (True 4K@10 m)
- VE7832A** 20 m True 4K HDMI Active Optical Cable (True 4K@20 m)
- VE7833A** 30 m True 4K HDMI Active Optical Cable (True 4K@30 m)
- VE7834A** 60 m True 4K HDMI Active Optical Cable (True 4K@60 m)
- VE7835A** 100 m True 4K HDMI Active Optical Cable (True 4K@100 m)

- 10 m
(VE7831A)
- 20 m
(VE7832A)
- 30 m
(VE7833A)
- 60 m
(VE7834A)
- 100 m
(VE7835A)



Features

- HDMI (3D, Deep Color, 4K, HDR, HEC, ARC) ; HDCP 2.2 compliant
- Extends True 4K signals 4096 x 2160 @ 60 Hz (4:4:4) up to 10 / 20 / 30 / 60 / 100 m
- Reduced EMI and RFI for lower noise interference
- Pluggable gender for easy installation



- VE781010** 10 m True 4K HDMI Active Optical Cable (True 4K@10 m)
- VE781020** 20 m True 4K HDMI Active Optical Cable (True 4K@20 m)
- VE781030** 30 m True 4K HDMI Active Optical Cable (True 4K@30 m)

- 10 m
(VE781010)
- 20 m
(VE781020)
- 30 m
(VE781030)



Features

- Supports resolution up to True 4K (4096 x 2160 @ 60Hz 4:4:4)
- HDMI (3D, Deep Color, True 4K, HDR, ARC); HDCP 2.2 compliant
- Extends True 4K signals up to 10 / 20 / 30 m
- Reduced EMI and RFI for lower noise interference



VE1821

4K HDMI Cat 6 Extender (4K@40m)



Features

- Crystal clear 4K HDMI transmission with zero latency across up to 40 m via a Cat 6 cable (ATEN 2L-29330 recommended) /30 m via a Cat 5e cable
- Local HDMI output port on the transmitter unit – enables cascading or users to monitor the UHD signal being extended to the receiver
- EDID Copying Mode – HDMI source can be displayed at the optimal resolution based on the capabilities of the connected display
- PoC (Power over Cable) technology – power can be delivered from the transmitter to the receiver via a Cat 5e / 6 cable to eliminate the need for a bulky external power supply

Front



Rear



VE800A

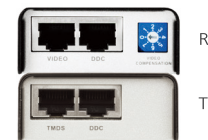
HDMI Cat 5 Extender (1080p@40m)



Features

- Uses Cat 5e cable to extend the distance between HDMI source and HDMI display
- Extend 1080p by 40 m; extend 1080i (HDTV) by 60 m
- HDMI (3D, Deep Color); HDCP Compatible
- 8 segment equalization adjustment switch optimizes display quality

Front



Rear



VE803

HDMI/USB Cat 5 Extender (1080p@40m)



Features

- Uses two Cat 5e cables to connect the local and the remote units
- Extends 1080p by 40m; extend 1080i by 60m
- Transparent USB Support – supports all USB 2.0 full speed device (up to 12 Mbps)
- HDMI (3D, Deep Color); HDCP compatible – signaling rates up to 2.25Gbits

Front



Rear



VE810

HDMI/IR Cat 5 Extender (1080p@40m)



(VE810R)

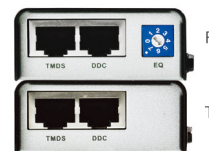
Features

- Uses less expensive Cat 5e cables to connect the local and the remote units
- Supports IR signals for remote control
- Extend 1080p by 40 m; extend 1080i (HDTV) by 60 m
- Non-Powered (only require one power adapter)

Front



Rear



VE602

DVI Dual Link/Audio Cat 5 Extender (2560 x 1600@40m)



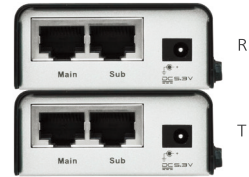
Features

- Uses Cat 5e cable to extend the distance between the DVI source and DVI display device
- Long distance transmission – up to 60 m
- Superior video quality – DVI Dual Link up to 2560 x 1600 @ 60 Hz (40 m); DVI Single Link up to 1920x1200 @ 60 Hz (40 m), 1024 x 768 @ 60 Hz (60 m)
- Audio enabled

Front



Rear



VE600A

DVI/Audio Extender (1920 x 1200@40m)



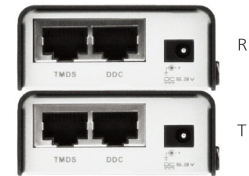
Features

- Uses Cat 5e cable to extend the distance between DVI source and DVI display device
- Long distance transmission – up to 60 m
- Audio enabled
- Superior video quality – up to 1920x1200 (40 m); 1080p (40 m) ; 1080i (60 m)

Front



Rear



VE066

Mini Cat 5 DVI Extender (1080p @ 15m/1080i @ 20m)



Features

- Uses Cat 5e cable to connect the Transmitter and Receiver units
- Extends the distance between DVI source and DVI display
- Long distance transmission - up to 1080i @ 20 m; 1080p @ 15 m



VE150A

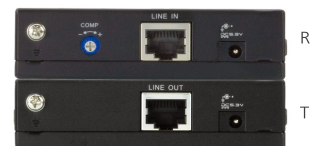
VGA Cat 5 Extender (1280 x 1024@150m)



Features

- Uses Cat 5e cables to connect the local and remote units
- Supports one local and one remote display
- Long distance transmission – up to 150 m
- Superior video quality – up to 1920x1200 (30 m); 1600x1200 (100 m); 1280x1024 (150 m)

Front



Rear



VE170 VGA/Audio Cat 5 Receiver (1024 x 768@300m)
VE170Q VGA/Audio Cat 5 Receiver with Deskew (1280 x 1024@300m)



Features

- Long distance transmission up to 300 m
- Deskew Function (VE170RQ) – allows you to synchronize the time delay of RGB signals to compensate for distance
- Superior video quality - 1920x1200 @ 60Hz (VE170RQ: 150m / VE170R: 30 m); 1280 x 1024 @ 60Hz (300 m)
- Audio enabled (mono)

Front



Rear



VB905
 True 4K DisplayPort Booster (True 4K@10m)



Features

- Extends True 4K signal transmission up to 5 m
- Compliant with DisplayPort 1.2a and HDCP 2.2
- Supports HDR
- Cascade 3 levels to extend True 4K signal up to 20 m

Front



Rear



VB800

True 4K HDMI Booster (True 4K@10m)



Features

- Supports up to True 4K resolutions when cascaded up to 10 levels
 - Up to 10 m True 4K transmission distance (max. 5 m on the input side and 5 m on the output side)
 - Up to 20 m 1080p transmission distance (max. 10 m on the input side and 10 m on the output side)
- Superior video quality – True 4k resolutions of 4096 x 2160 @ 60 Hz (4:4:4) video and standard 1080p (1920 x 1080 @ 60 Hz)
- Supports HDR10+
- HDMI and HDCP 2.2 compatible

Front



Rear



Video Extender Rack Mount Kit

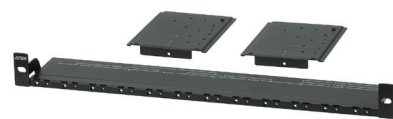
VE-RMK1U / VE-RMK2U / VE-RMK3U

Features

- Standard 1U, 2U and 3U designs fit into rack space neatly
- Fixed stand allows extenders to be safely installed on the rack
- Allows easy cabling and maintenance
- Provides flexible rack mounting for 1 to 12 extenders

Note: Compatible list - [VE-RMK1U](#), [VE-RMK2U](#), and [VE-RMK3U](#)

VE-RMK1U



VE-RMK2U



VE-RMK3U



Video Converters



ATEN Video Converters allow you to connect source devices to any display device with a diverse selection of video interfaces, including DisplayPort, Mini DisplayPort, HDMI, DVI, SDI, and VGA. We provide simple single port-to-port converters as well as multiple interface products which integrate multiple device inputs into a single box for the easy conversion of various analog-to-digital AV signals. With built-in, easy-to-use features, this series makes converting connections simple.

- **Popular Video Interface Support**

Our products incorporate all current video interfaces including: VGA, DVI, SDI, Mini DisplayPort, DisplayPort and HDMI, while meeting the strict requirements needed for high quality signal conversions.

- **Easy Installation, Plug-n-Play**

Designed for flexible and convenient installations and applications – with no additional software, drivers, or configuration required.

- **Outstanding Multimedia**

With high-quality video, the integrated audio component delivers an outstanding AV experience when working with modern multimedia applications and equipment.

- **Superior UHD Resolutions**

Features models with up to 4K and True 4K with HDR that support all popular HDR formats on the market, in line with the latest multimedia resolution trends and delivering more vivid and vibrant video for your applications.

- **Audio Extraction**

ATEN's additional audio de-embedder function extracts and converts audio signals from the HDMI input. This means you can choose between analog stereo and digital audio via optical or coaxial connections for additional methods to produce high-quality audio output.

Note: 1.The features highlighted above are not available in all products. Please refer to each product page for more details.

2.Product information is subject to change without prior notice.

Video Converters Comparison

	VC882	VC881	VC880	VC1280	VC840	VC812
Input Interface	HDMI	HDMI, DVI	HDMI	HDMI, VGA	HDMI	HDMI
Output Interface	HDMI	HDMI	HDMI	HDMI	SDI	VGA
Max. Resolution	4096 x 2160 @ 60Hz (4:4:4)	3840 x 2160 @ 30Hz (4:4:4)	1920 x 1080 @ 60Hz (4:4:4)	3840 x 2160 @ 30Hz (4:4:4)	1920 x 1080 @ 60Hz (4:4:4)	1920 x 1080 @ 60Hz (4:4:4)
Audio	Stereo, Coaxial	Toslink, Coaxial, Stereo, RCA	Stereo Audio, rca, Toslink	Stereo Audio	RCA	N/A
Audio Embedder	✓	✓	N/A	✓	N/A	N/A
Audio De-Embedder	✓	✓	✓	N/A	✓	✓

Video Converters Comparison

	VC810	VC486	VC480	VC182	VC180	VC160A
Input Interface	HDMI	SDI	SDI	VGA	VGA	VGA
Output Interface	VGA	HDMI, SDI	HDMI	HDMI	HDMI	DVI
Max. Resolution	1920 x 1080 @ 60Hz (4:4:4)	3840 x 2160 @ 60Hz (4:2:0) 3840 x 2160 @ 60Hz (4:4:4)	1920 x 1080 @ 60Hz (4:2:2)	1920 x 1200 @ 60Hz (4:4:4)	1920 x 1080 @ 60Hz (4:4:4)	1920 x 1200 @ 60Hz (4:4:4)
Audio	N/A	HDMI, RCA	RCA	Stereo Audio, RCA	Stereo Audio	N/A
Scaler	N/A	N/A	N/A	✓	N/A	N/A
Audio Embedder	N/A	N/A	N/A	✓	✓	N/A
Audio De-Embedder	N/A	✓	✓	N/A	N/A	N/A

	VC981	VC986	VC986B	VC925	VC965	VC985
Input Interface	Mini DisplayPort	DisPlayPort	DisPlayPort	DisPlayPort	DisPlayPort	DisPlayPort
Output Interface	HDMI	HDMI	HDMI	VGA	DVI	HDMI
Max. Resolution	3840 x 2160 @ 30Hz (4:4:4)	3840 x 2160 @ 30Hz (4:4:4)	4096 x 2160 @ 60Hz (4:4:4)	1920 x 1080 @ 60Hz (4:4:4)	1920 x 1080 @ 60Hz (4:4:4)	1920 x 1080 @ 60Hz (4:4:4)
Audio	HDMI	HDMI	HDMI	N/A	N/A	HDMI

	VC920	VC960	VC980	VC081A	VC010	VC060	VC080	2A-130G
Input Interface	Mini DisplayPort	Mini DisplayPort	Mini DisplayPort	HDMI	VGA	DVI	HDMI	VGA
Output Interface	VGA	DVI	HDMI	HDMI	VGA	DVI	HDMI	N/A
Max. Resolution	1920 x 1080 @ 60Hz (4:4:4)	1920 x 1080 @ 60Hz (4:4:4)	1920 x 1080 @ 60Hz (4:4:4)	3840 x 2160 @ 60Hz (4:4:4)	1920 x 1200 @ 60Hz (4:4:4)	1920 x 1200 @ 60Hz (4:4:4)	3840 x 2160 @ 60Hz (4:2:0) 4096 x 2160 @ 60Hz (4:2:0)	1920 x 1200
Audio	N/A	N/A	HDMI	HDMI	N/A	N/A	HDMI	N/A

VC882

True 4K HDMI Repeater with Audio Embedder and De-embedder



Features

- Embeds audio to HDMI output or de-embeds audio from HDMI signal and outputs the extracted signal through an alternative audio system
- Easy embedding / de-embedding mode selection via 2 / 4-pin DIP switches
- True 4K video quality – supports resolutions up to 4096 x 2160 @ 60Hz (4:4:4)
- Supports 4K / HDR formats: HDR10, HDR10+, Dolby Vision, and Hybrid Log-Gamma (HLG)

Front



Rear



VC881

4K HDMI/DVI to HDMI Converter with Audio De-embedder



Features

- Easy mode selection via a pushbutton
 - HDMI to HDMI
 - DVI to HDMI
 - Audio Return Channel (ARC)
- Superior video quality:
 - HDMI: up to 4K (3840 x 2160 @ 30Hz)
 - DVI: up to 1920 x 1200
- HDMI audio stream can be extracted and converts it to S/PDIF, Coaxial, or RCA Stereo Audio signal

Front



Rear



VC880

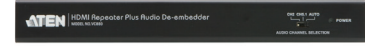
HDMI Repeater Plus Audio De-embedder



Features

- Extracts HDMI audio signal and outputs as additional audio source
- Supports optical / coaxial digital audio and analog stereo audio
- Superior video quality – up to 1920 x 1080 (1080p)
- Repeats HDMI input signal up to 15 m

Front



Rear



VC1280

2-Port 4K HDMI/VGA to HDMI Converter Switch



Features

- Supports Auto Switch - automatically switches to a newly plugged-in source
- Easily switches sources among 3 modes (HDMI/VGA/AUTO) via a pushbutton
- HDMI (3D, Deep color, 4K); HDCP 1.4 compliant
- RS-232 Channel Transmission – allows connection to serial terminals or serial devices for firmware upgrade

Front



Rear



VC840

HDMI to 3G-SDI/Audio Converter



Features

- Converts HDMI input signals to 3G/HD/SD-SDI formats in real-time while avoiding transformation loss for both audio and video signals
- Supports additional analog stereo audio and coaxial digital audio
- Offers 2 low-jitter SDI outputs for dual display
- Selectable EDID settings and EDID learning mode

Front



Rear



VC812

HDMI to VGA/Audio Converter with Scaler



Features

- Converts HDMI signals to VGA output
- Supports analog / digital audio
- Scaler – a premium scaling engine that converts various input video resolutions into the display’s native resolution while adjusting picture ratio automatically for maximized viewing comfort
- Superior video quality – up to 1080p / 1920 x 1200

Front



Rear



VC810 HDMI to VGA Adapter



Features

- Converts HDMI signals to VGA output
- Superior video quality – up to 1920 x 1200 / 1080p
- Supports wide screen formats
- Non-powered

Front



Rear



VC486 12G-SDI to HDMI Converter



Features

- Converts HD/3G/6G/12G-SDI input signals to an HDMI output in real time
- SDI signal re-clocked for high signal quality
- Supports SDI standard SMPTE-292/424/425-3/2081/2082
- Supports analog stereo audio output with RCA (R/L) connector

Front



Rear



VC480

3G-SDI to HDMI/Audio Converter



Features

- Converts an 3G/HD/SD-SDI input signal to HDMI formats in real time while avoiding transformation loss for both audio and video signals
- Supports additional analog stereo audio and coaxial digital audio
- Supports an SDI distance of up to 90m (3G-SDI), 150m (HDSDI) or 300m (SD-SDI) of RG6
- Supported SDI formats:
 - SD-SDI (SMPTE 259M, up to 270Mbps)
 - HD-SDI (SMPTE 292M, 296M, up to 1.485Gbps)
 - 3G-SDI (SMPTE 424M, 425M level A,B, up to 2.97Gbps)

Front



Rear



VC182

VGA/Audio to HDMI Converter with Scaler



Features

- Converts VGA signals to HDMI output
- Scaler – a premium scaling engine that converts various input video resolutions into the display's native resolution while adjusting picture ratio automatically for maximized viewing comfort
- Features a superior de-interlacer function for smooth video playback quality
- Supports analog / digital audio

Front



Rear



VC180

VGA/Audio to HDMI Converter



Features

- Converts VGA signals to HDMI output
- Supports analog stereo audio input
- Supports dual power sources: VGA port or power adapter (in case the VGA port cannot provide sufficient power)
- Superior video quality up to 1080p, WUXGA

Front



Rear



VC160A

VGA to DVI Converter



Features

- Converts analog VGA signals to DVI output
- Multiplatform support - Windows and Mac
- Supports dual power sources : VGA port or power adapter (in case the VGA port cannot provide sufficient power)
- Smart Video Display - image quality optimized based on the available resolution of the output device

Front



Rear



VC986B True 4K DisplayPort to HDMI Active Adapter
VC986 4K DisplayPort to HDMI Active Adapter
VC981 4K Mini DisplayPort to HDMI Active Adapter

(VC986B) (VC981/VC986)



A/V In Mini DisplayPort (VC981)	A/V In DisplayPort (VC986/VC986B)	A/V Out HDMI	OS Support Win, Mac	Active Adapter
---------------------------------------	-----------------------------------------	-----------------	------------------------	----------------

Audio Supported

Features

- Active adapter - features an advanced chip which ensures stable video signal conversion even when the video source does not support Dual-Mode DisplayPort (DP++)
- Supports VGA, SVGA, XGA, SXGA, UXGA, 1080p and resolutions up to 4K UHD (VC981/VC986) / True 4K (VC986B)
- Supports AMD Eyefinity Technology (multi-screen setups)
- Audio supported

VC986B



VC986



VC981



VC925 DisplayPort to VGA Adapter
VC965 DisplayPort to DVI Adapter
VC985 DisplayPort to HDMI Adapter

(VC985)



Video In DisplayPort	Video Out HDB-15 (VC925)	Video Out DVI (VC965)	A/V Out HDMI (VC985)	Resolution 1920 x 1200, 1080P
-------------------------	--------------------------------	-----------------------------	----------------------------	----------------------------------

OS Support Win, Mac	Extendable (VC985)	Audio Supported (VC985)
------------------------	-----------------------	----------------------------

Features

- Supports VGA, SVGA, XGA, SXGA, UXGA and resolutions up to 1920 x 1200 (PC) / 1080p (HDTV)
- Audio Supported (VC985 Only)
- No software or driver installation required
- DisplayPort 1.2 compliant

VC925



VC965



VC985



- VC920** Mini DisplayPort to VGA Adapter
- VC960** Mini DisplayPort to DVI Adapter
- VC980** Mini DisplayPort to HDMI Adapter



A/V In Mini DisplayPort	Video Out HDB-15	Video Out DVI	A/V Out HDMI	OS Support Mac
(VC920)		(VC960)	(VC980)	

Audio Supported
(VC980)

Features

- Converts mini DisplayPort input signals to a VGA / DVI / HDMI output
- Supports VGA, SVGA, XGA, SXGA, UXGA and resolutions up to 1920 x 1200 (PC) / 1080p (HDTV)
- Supports Mac Products including MacBook, MacBookPro, MacBook Air, Mac mini, and Mac Pro
- Audio enabled (VC980)
- No software or driver installation needed

VC920



VC960



VC980



VC081A

True 4K HDMI EDID Emulator Adapter



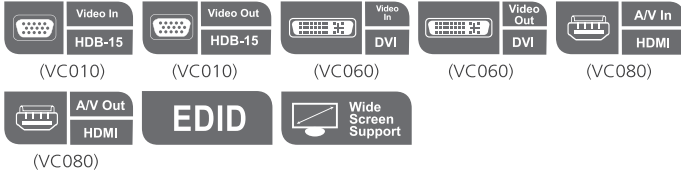
A/V In HDMI	A/V Out HDMI	EDID	HDCP 2.2
----------------	-----------------	-------------	-----------------

Features

- Manages EDID communication between connected devices
- Effectively learns and saves the EDID from the connected HDMI display via single pushbutton and relays it to the video source
- Supports superior video quality up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4) via EDID Learning Mode
- Compact and lightweight design



- VC010** VGA EDID Emulator with Programmer
- VC060** DVI EDID Emulator with Programmer
- VC080** 4K HDMI EDID Emulator with Programmer



Features

- Automatically manages EDID communication between connected devices
- EDID mode selection – Default, Learning, Programming
- EDID Wizard – an easy way for users to manage EDID settings
- Superior Video Quality – HDTV resolutions of 480i, 480p, 720i, 720p, 1080i, 1080p (1920 x 1080); VGA, SVGA, XGA, SXGA, UXGA, and WUXGA (1920 x 1200)
- HDMI (3D, Deep Color), HDCP compliant (VC080)

VC010



VC060



VC080



2A-130G

VGA EDID Emulator



Features

- EDID Built-in – stores ATEN standard EDID information in device
- Substitutes as a monitor at the site where the computer / video source is located
- Superior Video Quality - up to 1920 x 1200 @ 60Hz, 1366 x 768 @ 60Hz
- USB Powered – no need for an external power adapter



Audio Products

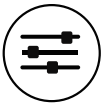


The ATEN Professional Audio System is a complete Pro AV audio solution that offers crystal-clear audio and integrates seamlessly with Pro AV products, perfectly matching enterprise-level applications.

The Digital Signal Processor series is a professional, yet budget-friendly series for small and medium-sized spaces, delivering immersive AV experiences while enhancing productivity. Speaking of the Amplifier series, it offers an ideal combination of high output and superior efficiency for a wide range of professional audio applications, from ultra-high performance to cost-optimized ones. Moreover, the Speaker Series is designed to provide perfect speech audibility and enrich music reproduction for use in commercial applications with its solid construction and easy installation.

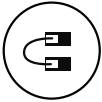
Why choose ATEN Audio Products?

Digital Signal Processor



Handy DSP Function

Professional DSP functions designed for meeting rooms and classrooms configured by PC-based app Audio Wizard. Compatible with ATEN VK control system via LAN / RS-232



Dante Daisy Chainable

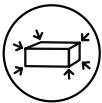
Supports Dante Daisy Chaining for simplifying system infrastructure wiring



Power over Ethernet

Supports PoE for redundancy operation while eliminating the need for additional wiring installations

Amplifier



Compact Size

Dedicated and compact in design, able to fit into any ventilation space.



Thermal Protection

Prevent overheating and over-level input, and the automatic detection function avoids over-protected shutdown.



Auto Activated

Compatible with ATEN VK Control Units for an integrated workspace solution

Speaker



Full-Range Coverage

100 - 20 kHz (AS104) / 80 - 20 kHz (AS106) / 65-20 Khz (AS108) bandwidth for wide coverage while reducing the amount of speakers needed



Customized Outer Surface

Paintable magnetic grills allow organizations to customize the interior design to fit the room decor



Easy Installation

Designed with a magnetic grill, dog leg mounting system, and cutout template for easy installation

Audio Products Comparison

Digital Signal Processor	AD400E	AD004E	AD202E
	4-CH Mic/Line Pre-AMP with DSP and Dante Output	DSP Mixer with 4-CH Dante Input	2-CH Mic/Line In/Out Audio Processor with DSP and Dante
PoE	✓	✓	✓
Phantom Power	✓	N/A	✓
Power Redundancy	✓	✓	✓
Fanless Chassis	✓	✓	✓
Dante Daisy Chain	✓	✓	✓
AEC	N/A	N/A	✓
FBS	N/A	N/A	✓
RS-232 Support	✓	✓	✓
LAN Control	✓	✓	✓
Rack Mount	1/2 U	1/2 U	1/2 U
Matrix Size	4 x 4	4 x 4	4 x 4
Analog Input Channel	4	0	2
Analog Output Channel	0	4	2
Dante Input Channel	0	4	2
Dante Output Channel	4	0	2

Power Amplifier	AP106	AP206	AP212
	60W Mono Hi-Z Power Amplifier	2 x 60W Power Amplifier with DSP	2 x 120W Power Amplifier with DSP
Thermal Protection	✓	✓	✓
Fanless Chassis	✓	✓	✓
RS-232 Support	✓	✓	✓
Rated Power	60Wrms per channel	60Wrms per channel	120Wrms per channel
Type	Class D	Class D	Class D
Channel Number	1	2	2
Lo-Z Mode	N/A	4Ω	4Ω
Hi-Z Minimum Load	80Ω(70V)/160Ω(100V)	40Ω(70V)/80Ω(100V)	20Ω(70V)/40Ω(100V)
Rack Mount	1/2 U	1/2 U	1/2 U

Speaker	AS104	AS106	AS108
	4" Coaxial Ceiling Loudspeaker	6.5" Coaxial Ceiling Loudspeaker	8" Coaxial Ceiling Loudspeaker
Rated Power	30Wrms	60Wrms	80Wrms
High Frequency Driver	20mm PEI Dome	20mm PEI Dome	20mm PEI Dome
Low Frequency Driver	4" Paper	6.5" Paper	8" Paper
Sensitivity	86 dB SPL @1m, 1W, 1kHz	90 dB SPL @1m, 1W, 1kHz	90 dB SPL @1m, 1W, 1kHz
Lo-Z Mode	8Ω	8Ω	8Ω

AD400E

4-CH Mic/Line Pre-AMP with DSP and Dante Output

AES67
Dante

Phantom
Power+48V

Dante
Daisy Chain

PoE

Preamp

Lip
Sync

Features

- Converts 4 channels of balanced / unbalanced microphone / line-level audio signals into Dante packets
- Supports 24 bit and offers sampling rate options of 44.1k, 48k, 88.2k, and 96 kHz
- Professional preamp circuitry - delivers a wide dynamic range and great Signal-to-Noise Ratio (SNR)
- Built-in DSP - allows 24 presets and quick setting adjustment through PC-based app Audio Wizard / ATEN VK control system via LAN / RS-232

Front



Rear



AD004E

DSP Mixer with 4-CH Dante Input

AES67
Dante

Dante
Daisy Chain

Speaker
Sync

PoE

Audio
Mixer

Features

- Converts Dante inputs into 4-channel analog line outputs
- Supports 24 bit and offers sampling rate options of 44.1k, 48k, 88.2k, and 96 kHz
- Built-in DSP - allows 24 presets and speaker functionality management through PC-based app Audio Wizard / ATEN VK control system via LAN / RS-232
- Supports PoE for redundancy operation and eliminating the need for additional wiring installations

Front



Rear



AD202E

2-CH Mic/Line In/Out Audio Processor with DSP and Dante



Features

- 4 x 4 digital signal processor including 2 x 2 analog and Dante channels with AEC and FBS function
- Supports 24 bit and offers sampling rate options of 44.1k, 48k, 88.2k and 96kHz
- DSP can be configured by ATEN Audio Wizard APP and compatible with ATEN VK control system
- Dante Ultimo solution with Dante daisy chain and PoE

Front



Rear



VE66DTH

6 x 6 Dante Audio Interface with HDMI



Features

- Features Dante™ networked audio interface – a complete audio networking solution that distributes multi-channel audio transmission via standard Ethernet networks, with near-zero latency and perfect synchronization
- Integrates up to 6-channel balanced mono audio Mic/Line input signals onto a Dante-enabled audio system and supports both dynamic and condenser microphones
- Delivers up to 6-channel balanced mono audio Line outputs from the Dante network to the audio system
- Supports HDMI input with HDCP 2.2 compliant & HDMI local output

Front



Rear



AP106

60W Mono Hi-Z Power Amplifier

-  70V / 100V Selectable
-  2-Band Shelf EQ
-  Self-Protection Circuit
-  Overheat Protection
-  Energy Saving

Features

- A high-output Class D power amp that delivers 60 W of power to 70 V or 100 V distributed audio systems
- Built-in 2-band shelf EQ provides 6 dB boost / suppression of treble and bass control
- Power Saving Mode – AP106 shuts down when no audio input higher than -50 dBu is detectable in 30 minutes and turns back on when a source reaches -30 dBu is detected
- Integrated protection – Amp shortcut, Amp output over/under-voltage, high frequency overload, and overtemperature protection



Front









Rear



AP206 / AP212

2 x 60W / 2 x 120W Power Amplifier with DSP



-  Fanless
-  Built-In DSP
-  Self-Protection Circuit
-  Over-Hear Protection
-  Energy Saving
-  VK Control System Compatible

Features

- A dual-channel DSP-equipped amplifier that delivers 60 / 120 W per channel in a compact enclosure
- Supports balanced / unbalanced line level inputs and drives 4 ohm low impedance or 70/100V line (in Bridge mode) loudspeaker systems
- Class-D design with ENERGY STAR® qualification for high power efficiency
- Supports VK Control System via RS-232 and Ethernet connection



AP206



AP212

Front



Rear



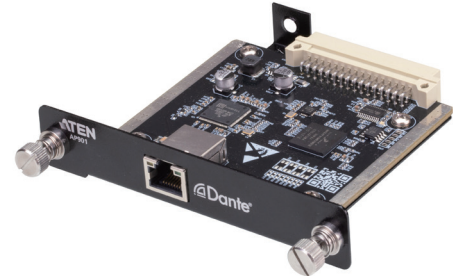
AP901

2-CH Dante Expansion Card for AP Series



Features

- Allows AP power amplifiers to receive 2 inputs of high quality, low-latency digital audio via Dante AoIP solution
- Enables AP power amplifiers to easily integrate with Dante enabled devices, such as digital mixers, processors, and media players
- Supports 24-bit and sampling rates of 44.1 / 48kHz
- Firmware upgradable via Dante LAN



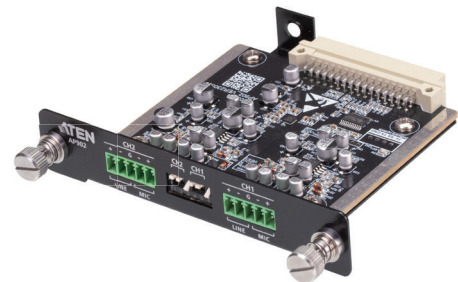
AP902

2-CH Mic/Line Pre-AMP Expansion Card for AP Series



Features

- Dedicated for use with ATEN's AP DSP Power Amplifier series
- Provides AP power amplifiers with dual-channel inputs for easier integration with balanced / unbalanced audio signals at mic / line level
- Adjustable gain level – handles various strength levels of input sources
- Preamp designed to lower the noise floor and improve the dynamic range for high-quality sound performance



AS104 / AS106 / AS108

4" / 6.5" / 8" Coaxial Ceiling Loudspeaker

Total System Power 30W RMS / 60W Peak (8 Ω) (AS104)	Total System Power 60W RMS / 120W Peak (8 Ω) (AS106)	Total System Power 80W RMS / 160W Peak (8Ω) (AS108)
Coaxial Driver Design	Hi-Z 70V / 100V Low-Z 8 Ω	

Features

- Coaxial design with premium components:
 - 4" / 6.5" / 8" high output driver with rubber surround and heavy-duty voice coil
 - 20 mm dome tweeter
- 100 - 20 kHz (AS104) / 80 - 20 kHz (AS106) / 65 - 20 kHz (AS108) bandwidth with wide coverage for consistent, full-range coverage of the space while reducing the amount of the speakers needed
- Switchable for use as either an 8 low-impedance speaker or as part of a 70V / 100V distributed loudspeaker system
- UL94-V0 compliant
- Paintable magnetic grille
- Easy installation with magnetic grille, dog leg mounting system and cutout template

AS104



AS106



AS108



Speakers are sold in pairs

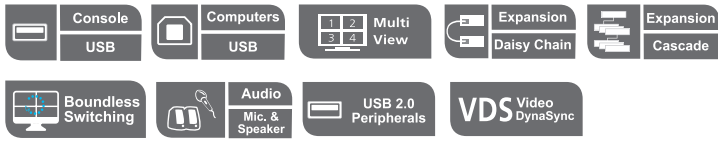
Multi-View KVMP Switches

Multi-View KVMP Switches Comparison

	CM1284	CM1164A
Number of Computers	4	
Computer Interface	USB, HDMI	USB, DVI-D
Console Interface	USB, HDMI	USB, DVI-D
Max. Resolution	4096 x 2160@30Hz	1920 x 1200 @ 60Hz
Boundless Switching	✓	
USB Peripheral	✓	
Firmware Upgradable	✓	
Dual Display	✓	N/A
Video DynaSync™	✓	
Auto Scan	✓	
Independent Switching	✓	
Cascadable	✓	
Daisy Chain	✓	
RS-232 Control	✓	
Audio	Speaker, Microphone	
Multi-Platform Support	Windows, Mac, Sun, Linux	
USB Standard	2.0	

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



Cables

Cables Comparison

	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

HDMI Cable	Cable Length	Max. Resolution	Max. Data Rate	Color Depth Support	HDR	Cable Sleeve
2L-7D02H21	1.8 m	7680 x 4320 @ 60Hz, 4K@120Hz	48 Gbps	16-bit	Dynamic HDR	PVC
2L-7DA3H	0.3 m	4096 x 2160 / 3840 x 2160 @ 60Hz	18 Gbps	12-bit	Static HDR	PVC
2L-7DA6H	0.6 m					
2L-7D01H	1 m					
2L-7D02H-1	2 m					
2L-7D03H	3 m					
2L-7D05H-1	5 m					
CA101	1.2 m					Braided
CA102	2 m					
CA103	3 m					
2L-7D05H	5 m					4096 x 2160 / 3840 x 2160 @ 30 Hz
2L-7D10H	10 m					
2L-7D15H	15 m					
2L-7D20H	20 m					

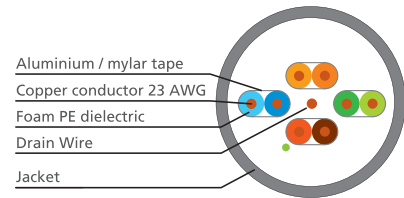
2L-29330

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



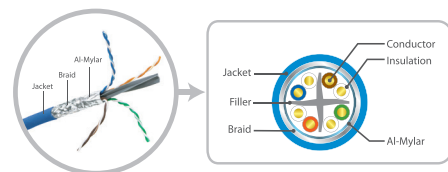
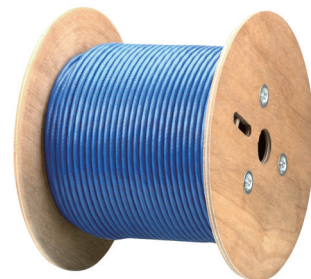
2L-2910

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

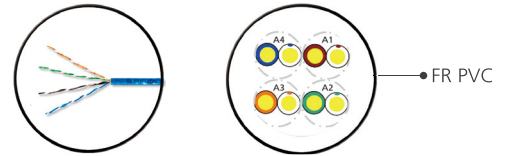


2L-2801

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



2L-7D02H21

1.8 m Ultra High Speed HDMI Cable



Features

- Superior 8K (7680 x 4320 @ 60Hz) and 4K@120Hz
- HDMI (3D, Deep Color, 4K), FCC Class B, and HDCP 2.2 compliant
- Supports Dynamic HDR, 3D, VRR, ALLM, Ethernet, 32 audio channels, and 1536 KHz sampling rate
- Supports eARC - strengthen the optimized sound effects, transmit audio signals, and synchronize audio and video more quickly
- HDMI Ethernet Channel functionality: additional dedicated data channel supports networking*
- Supports bandwidth up to 18 Gbps
- Gold-plated connectors for reliable data transmissions
- Multiple and high-density shielding for EMI protection

Note: Feature only available if linked devices are HDMI Ethernet Channel enabled



2L-7DA3H / 2L-7DA6H / 2L-7D01H / 2L-7D02H-1 / 2L-7D03H / 2L-7D05H-1 / CA101 / CA102 / CA103

High Speed HDMI Cable with Ethernet (0.3, 0.6, 1, 2, 3, 5 m)



Features

- Superior True 4K (4096 x 2160 @60Hz) video quality
- HDMI (3D, Deep Color, 4K) and HDCP 2.2 compliant
- HDMI Ethernet Channel functionality: additional dedicated data channel supports networking*
- Supports bandwidth up to 18 Gbps
- Supports ARC (Audio Return Channel) to facilitate equipment installation and reduce the number of cables
- Supports 32 audio channels at sample rates up to 1536 kHz
- Gold-plated connectors for reliable data transmissions
- Multiple and high-density shielding for EMI protection
- Durable cable sleeve for protection from potential damages
 - 2L series : PVC cable sleeve
 - CA series : Braided cable sleeve

Note: Feature only available if linked devices are HDMI Ethernet Channel enabled

2L series



Gold-plated connectors

CA series



2L-7D05H / 2L-7D10H / 2L-7D15H / 2L-7D20H

High Speed HDMI Cable with Ethernet (5, 10, 15, 20 m)



Features

- Superior 4K (4096 x 2160 / 3840 x 2160 @30 Hz) video quality
- HDMI (3D, Deep Color, 4K) and HDCP 2.2 compliant
- HDMI Ethernet Channel functionality: additional dedicated data channel supports networking*
- Supports bandwidth up to 10.2 Gbps
- Supports ARC (Audio Return Channel) to facilitate equipment installation and reduce the number of cables
- Supports 32 audio channels at sample rates up to 1536 kHz
- Gold-plated connectors for reliable data transmissions
- Multiple and high-density shielding for EMI protection
- Durable PVC cable sleeve for protection from potential damages



























Note: Feature only available if linked devices are HDMI Ethernet Channel enabled

2L series



Gold-plated connectors

Cables

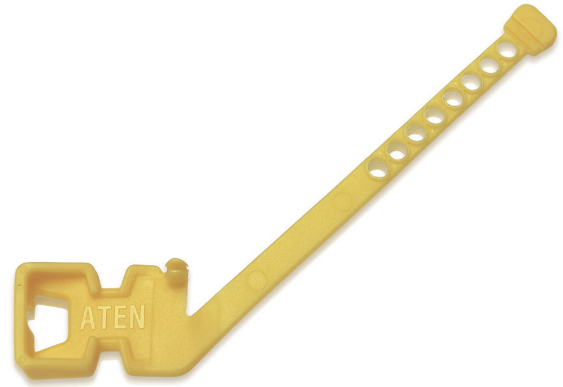
Images	Part No.	Length (m)	Interface	To PC / Source Interface	To Switch Interface
	2L-7D03DD 2L-7D05DD 2L-7D10DD	3 5 10	DVI-D	 DVI-D Male (Dual Link)	 DVI-D Male (Dual Link)
	2L-7D02V	1.8	DVI-D	 DVI-D Male (Single Link)  Audio Plug	 DVI-D Male (Single Link)  Audio Plug
	2L-2402A	1.8	VGA	 HDB-15 Male  Audio Plug	 HDB-15 Female  Audio Plug
	2L-2401 2L-2403 2L-2406 2L-2410 2L-2420 2L-2440	1.8 3 6 10 20 40	VGA	 HDB-15 Male	 HDB-15 Female
	2L-2502 2L-2503 2L-2505 2L-2510 2L-2515 2L-2520 2L-2530	2 3 5 10 15 20 30	VGA	 HDB-15 Male	 HDB-15 Male
	2L-7D02DP 2L-7D03DP 2L-7D03DP-1 2L-7D04DP	2 3 3 4.6	DisplayPort	 DisplayPort	 DisplayPort
	2L-2801 (Shielded)	305	RJ-45	 RJ-45	 RJ-45
	2L-4101-GR 2L-4102-GR 2L-4103-GR 2L-4105-GR 2L-4110-GR 2L-4115-GR 2L-4120-GR	1 2 3 5 10 15 20	RJ-45	 RJ-45	 RJ-45
	2L-2910	305	RJ-45	 RJ-45	 RJ-45

2X-EA12

LockPro™ - HDMI Cable Lock

Features
















- Innovative design improves stability and flexibility
- One-piece and reusable design for easy installation and removal
- Ensures strong and reliable HDMI cable connections
- Universal design for securing most cables (not limited to HDMI)



Accessories

Images	Part No.	Product Name.
	2A-245G	Cat 6A RJ-45 Connector
	2A-127G	DVI to HDMI Converter
	2A-128G	HDMI to DVI Converter
	2L-5202B 2L-5203B 2L-5205B	Port Switching VGA Cable
	2XRT-0003G	IR Receiver Cable (38 KHz)
	2XRT-0003G-1	Full Range IR Receiver (30-56 KHz)
	2XRT-0004G	Full Range IR Emitter (30-56 KHz)
	2XRT-0007G	IR Remote Control
	2XRT-0010G	IR Remote Control
	2XRT-0013G	IR Remote Control
	2XRT-0101G	IR Remote Control
	2XRT-0106G	IR Remote Control

Accessories

Images	Part No.	Product Name.
	2XRT-0301G	IR Remote Control
	2XRT-0109G	IR Remote Control
	2XRT-0110G	IR Remote Control
	2XRT-0111G	IR Remote Control
	2XRT-0112G	IR Remote Control
	2X-020G	Mounting Kit
	2X-021G	Dual Rack Mounting Kit
	2X-RC1700	Video Wall Rack
	2X-027G	Mounting Kit
	2X-030G	TV Bracket Set (L+R)
	2X-031G	Single Rack Mounting Kit
	2X-043G	Rack Mounting Kit
	2X-044G	Under Table Mounting Kit
	2X-049G	Rack Mounting Kit
	2X-050G	Table Mounting Kit



Simply Better Connections

Corporate Headquarters

ATEN International Co., Ltd.
<https://www.aten.com/global/en/>
Email: marketing@aten.com

America Region:

U.S.A. Subsidiary

ATEN Technology Inc.
<https://www.aten.com/us/en/>
Email: sales@aten-usa.com

LATAM & Caribbean Region

<https://www.aten.com/la/es> (Spanish)
<https://www.aten.com/la/pt> (Portuguese)
Email: latam@aten.com

Mexico Subsidiary

ATEN Latam Mexico S.A. de C.V.
<https://www.aten.com/la/es>
Email: mexico@mexico.aten.com

Europe Region:

Belgium Subsidiary

ATEN Infotech N.V.
<https://www.aten.com/eu/en/>
Email: sales@aten.be

U.K. Subsidiary

ATEN U.K. Limited
<https://www.aten.com/gb/en/>
Email: sales@aten.co.uk

Türkiye Subsidiary

ATEN Info İletişim Ltd.
<https://www.aten.com>
Email: turkey@aten.com

Poland Subsidiary

ATEN Poland Sp. z o. o.
<https://www.aten.com/pl/pl/>
Email: poland@aten.com

Romania Subsidiary

ATEN Romania S.R.L.
<https://www.aten.com>
E-mail: romania@aten.com

Oceania Region:

ANZ Subsidiary

ATEN ANZ Pty Ltd.
<https://www.aten.com/au/en/>
Email: sales@au.aten.com

Asia Pacific Region:

China Subsidiary

ATEN China Co., Ltd.
<https://www.aten.com/cn/zh/>
Email: sales@aten.com.cn

Shanghai Branch

<https://www.aten.com/cn/zh/>
Email: sales@aten.com.cn

Guangzhou Branch

<https://www.aten.com/cn/zh/>
Email: sales@aten.com.cn

Taiwan Subsidiary

Atech Peripherals, Inc.
New Taipei Headquarters
<https://www.aten.com/tw/zh/>
Email: taiwan@aten.com

Atech Kaohsiung Office

<https://www.aten.com/tw/zh/>
Email: taiwan@aten.com

Japan Subsidiary

ATEN Japan Co., Ltd
<https://www.aten.com/jp/ja/>
Email: sales@atenjapan.jp

Tokyo (Kanda) Branch

<https://www.aten.com/jp/ja/>
Email: sales@atenjapan.jp

Osaka Branch

<https://www.aten.com/jp/ja/>
Email: sales@atenjapan.jp

Kyushu Office

<https://www.aten.com/jp/ja/>
Email: sales@atenjapan.jp

Nagoya Office

<https://www.aten.com/jp/ja/>
Email: sales@atenjapan.jp

Hiroshima Office

<https://www.aten.com/jp/ja/>
Email: sales@atenjapan.jp

Sendai Office

<https://www.aten.com/jp/ja/>
Email: sales@atenjapan.jp

Korea Subsidiary

ATEN Korea Co., Ltd.
<https://www.aten.com/kr/ko/>
Email: sales@aten.co.kr

Busan Branch

<https://www.aten.com/kr/ko/>
Email: roy@aten.co.kr

Indonesia Subsidiary

PT ATEN Technology Indonesia
<https://www.aten.com/global/en/>
Email: info@aten.co.id

India Subsidiary

ATEN Advance Private Limited
<https://www.aten.com>
Email: sales@aten.co.in
marketing@aten.co.in

Delhi Office

<https://www.aten.com>
Email: sales@aten.co.in
marketing@aten.co.in

Africa Region:

ATEN South Africa Pty Ltd.

<https://www.aten.com>
Email: sa@sa.aten.com



Showrooms



Global Locations

