2021 Vol. 1

New Products Brochure

Innovative AV Technology Solutions

Solutions for distance learning, HyFlex classrooms, wireless collaboration, working from home, residential, enhanced soft codec conference rooms, and touch free AV.

ATLONA
a PANDUIT company

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10 YEAR LIMITED WARRANTY

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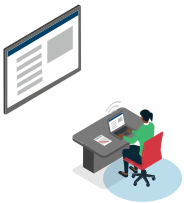
Velocity™ – AV control, room scheduling, and asset management

AN INNOVATIVE AV CONTROL PLATFORM that brings together a unique set of capabilities resulting in easy system scalability and a low cost of ownership. Velocity's IP-based system architecture allows a single, networked processor to serve multiple AV systems simultaneously, leading to overall AV system control efficiency. Velocity also saves valuable time with the ability to configure control systems in minutes, and quickly make system modifications free of extensive programming. **Page: 6**

OmniStream™ – Uncompromised AV over IP performance and reliability

DELIVERS THE PERFORMANCE AND DEPENDABILITY OF TRADITIONAL AV DISTRIBUTION, plus the unrestricted scalability and cost efficiency of integrating over data networks. **OmniStream Pro** is engineered for the most demanding, mission-critical applications. **OmniStream R-Type** offers performance and dependability optimized for light commercial AV distribution applications. **Page: 8**

WAVE™ – Wireless AV Experience for collaboration



A UNIVERSAL WIRELESS BYOD GATEWAY for up to four presenters to cast right from their mobile devices. The WAVE also supports digital signage, YouTube live streaming, video playback, and more. **Page: 10**

Omega™ – AV for modern workspaces and meeting environments

A FAMILY OF SWITCHING, EXTENSION, AND VIDEO PROCESSING SOLUTIONS with features and technologies designed for today's meeting and gathering spaces. **Transmitters:** Connectivity into an AV system for source devices with HDMI or USB-C outputs, as well as USB for web and soft codec conferencing applications. **Switchers:** Compact matrix switchers designed specifically for the needs of today's small to medium-sized presentation applications. **Receivers:** Slim and compact for discreet installation, and a range of features and capabilities beyond receiving HDBaseT from a transmitter or switcher. **Page: 11**

Opus™ – Uncompromised AV over IP performance and reliability

A SERIES OF HDMI TO HDBASET MATRIX SWITCHERS designed for distribution and extension of 4K HDR in both residential and commercial applications. The Opus Series offers high performance and reliability as well as powerful control and audio system integration features. The Opus Series enables flexible routing to HDBaseT outputs plus two additional HDMI outputs. Available in 4×6, 6×8, and 8×10 configurations, these matrix switchers are HDCP 2.2 compliant, support 4K/UHD video @ 60 Hz with 4:4:4 chroma sampling, and HDMI data rates up to 18 Gbps. **Page: 14**

Application: Home Office Video Conferencing

"Home office" has become a common phrase in households worldwide. The term refers to spaces serving a variety of purposes including parents hosting business meetings or their children learning remotely. In either situation, a robust professional home conferencing AV configuration provides better meeting and learning experiences over that of the typical laptop or computer on its own.

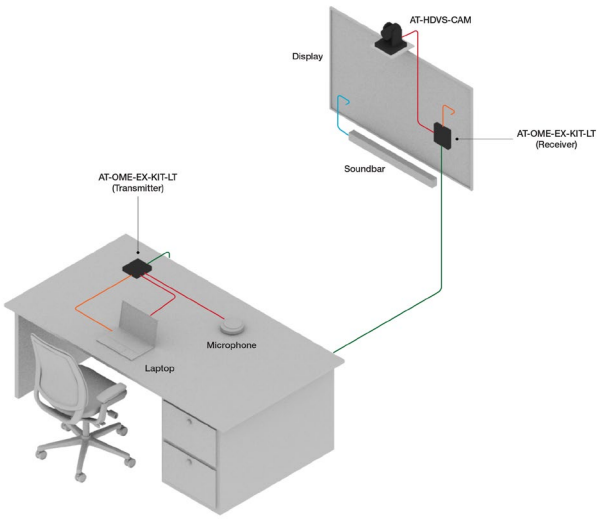
To help improve the online meeting experience, Atlona offers a system ideal for a home office setting that includes the **AT-OME-EX-KIT-LT** extender kit with USB and the **AT-HDVS-CAM** PTZ camera designed specifically for video conferencing.

When users connect their laptop to the system, they gain access to the high-resolution camera and conferencing grade microphone for use with popular applications such as Zoom and Microsoft® Teams®. They also benefit from the superior video experience provided by the large flat panel display which allows more critical viewing of meeting content and far end participants.

HDBASET SIGNAL EXTENSION – Replicates a meeting room environment, by extending AV and USB data from the laptop on the desk, to the camera and display on the wall.

PROFESSIONAL-GRADE VIDEO – USB camera with 10x optical zoom and pan, tilt, and zoom control provides superior performance over conventional webcams.

BROAD COMPATIBILITY – Works with all popular video conferencing applications and components can be migrated into an office environment or used in other AV systems.



Featured Products

HDBaseT Extender Kit for HDMI with USB

AT-OME-EX-KIT-LT, see page 13

PTZ Cameras

AT-HDVS-CAM, see page 16

For more detailed information on this application visit: https://atlona.com/home-office-video-conferencing/

Application: HyFlex Classroom

More than ever, schools and students are looking for alternatives to traditional methods of conducting and attending classes. Leading educational institutions are currently pursuing a hybrid / flexible, or HyFlex, course model that provides a variety of options for delivering lesson materials. The purpose of a Hyflex design is to create a classroom AV system that supports simultaneous live in-person and online instruction as well as recordings for on-demand viewing.

The HyFlex AV system consists of an **AT-OME-MS42** matrix switcher mounted at the instructor's desk that provides AV source connections, as well as USB host and peripheral connections for cameras, microphones, and the instructor's PC. Its HDBaseT output connects to the **AT-OME-EX-RX** receiver, supporting extension of video content and control signals for the display and USB signals from an **AT-HDVS-CAM** PTZ camera. The **AT-USB-EX100-KIT** USB 2.0 extender brings USB signals from a second camera to the switcher.

USB INTEGRATION – Allows selection of the instructor's microphone and camera for direct instruction or the room microphone and camera for group discussions in video conferencing applications such as Zoom or Microsoft® Teams®.

HDBASET SIGNAL EXTENSION – Reliably route video content, control signals, and USB data over Category 6A cable between components located throughout the room.

PROFESSIONAL-GRADE VIDEO – USB cameras with precise control of motorized pan, tilt, and zoom provide proper framing for the instructor and the students.

Featured Products

4×2 Matrix Switcher with USB-C

AT-OME-MS42, see page 11

HDBaseT Receiver for HDMI with USB

AT-OME-EX-RX, see page 13

PTZ Cameras

AT-HDVS-CAM, see page 16

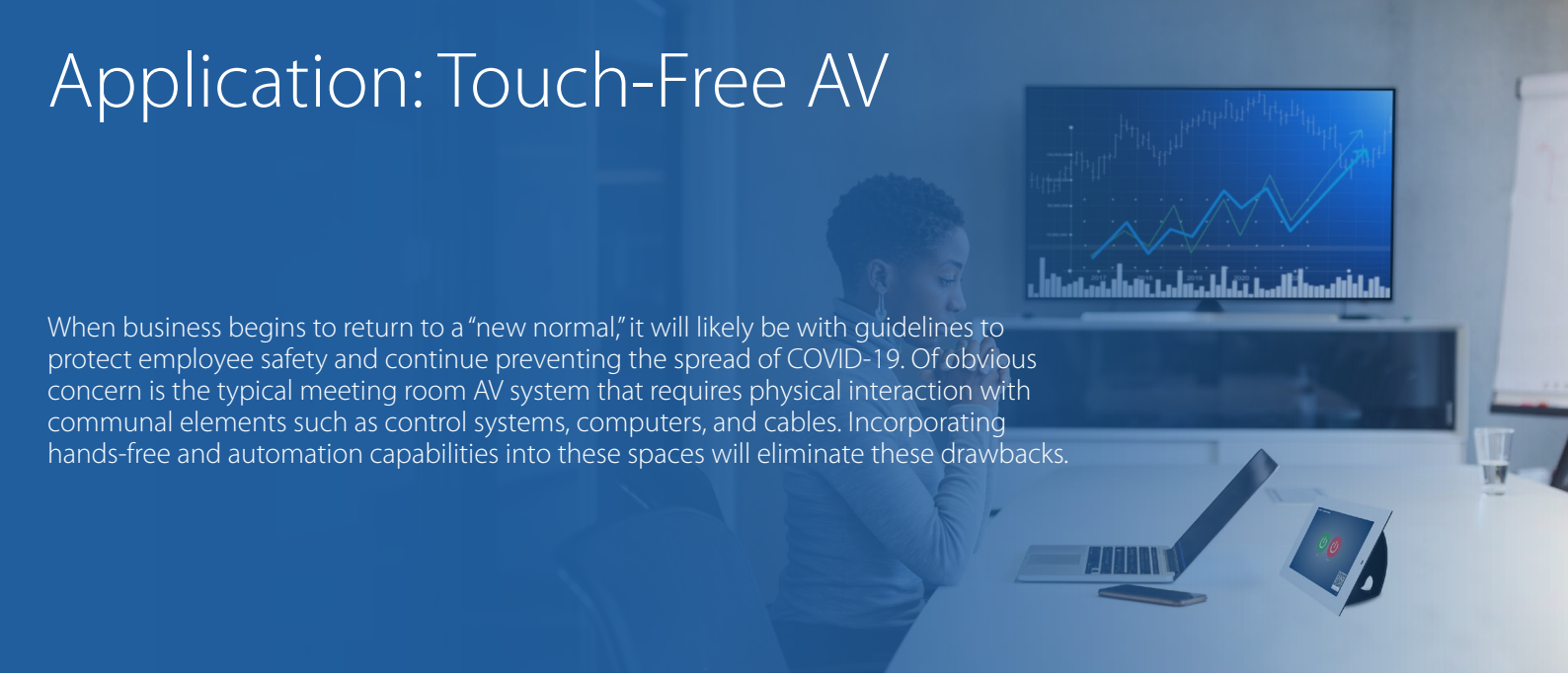
USB 2.0 Extender Kit

AT-USB-EX100-KIT, see page 22

For more detailed information on this application visit: https://atlona.com/hyflex-classroom/

Visit **atlona.com** for more complete product information, including datasheets and specifications.

Application: Touch-Free AV



When business begins to return to a "new normal," it will likely be with guidelines to protect employee safety and continue preventing the spread of COVID-19. Of obvious concern is the typical meeting room AV system that requires physical interaction with communal elements such as control systems, computers, and cables. Incorporating hands-free and automation capabilities into these spaces will eliminate these drawbacks.

Imagine entering a meeting space, presenting material, then leaving the room without touching anything but a personal laptop or mobile device. This is made possible through the following features built into the **AT-OME-MS52W** and **AT-UHD-SW-510W** switchers, as well as other Atlona switchers combined with the **AT-WAVE-101** wireless AV gateway.

AUTOMATIC DISPLAY CONTROL –Turn the system and display on or off based on status of an occupancy sensor or an active source connection.

WIRELESS PRESENTATION – Mirror content from personal BYOD devices over Wi-Fi.

AUTOMATIC INPUT SELECTION – Selects the active input when sources are connected or if there is a change in source.

For meeting environments that cannot be fully automated and require some amount of direct user control, Atlona's **Velocity™ System** offers **QR Code BYOD Control.** Velocity generates and displays a QR code on the touch panel GUI, or it can be printed and placed inside the room. Users scan the code with their BYOD device to take full control of the AV system.

Featured Products

5×2 Matrix Switcher with USB and Wireless Link

AT-OME-MS52W, see page 11

Universal Wireless BYOD Gateway

AT-WAVE-101, see page 10

5×2 MatrixSwitcher with Wireless Link

AT-UHD-SW-510W, see page 18

IP-based AV Control Platform

Velocity System, see page 6

For more detailed information on Atlona Touch-Free solutions visit https://atlona.com/touch-free-av/

velocity

"There was literally no control system that offered better value for this installation. (Velocity) removes the traditional programming hassles as it's all done over IP."

– Sergio Magallon, Project Manager, Audax Communications

AV control, room scheduling, and asset management

The Atlona **Velocity™ System** is an innovative AV control platform that brings together a unique set of capabilities resulting in easy system scalability and a low cost of ownership.

Velocity's IP-based system architecture allows a single, networked processor to serve multiple AV systems simultaneously, leading to overall AV system control efficiency. Velocity also saves valuable time with the ability to configure control systems in minutes, and quickly make system modifications free of extensive programming.

In addition to AV control, Velocity includes calendar integration for room scheduling touch panels, as well as centrally configuring, deploying, and managing AV devices.

NEW

QR BYOD OR TOUCH PANEL

AV control with touch panels or scan the QR code and use your BYOD device

NEW

ROOM SCHEDULING

Supports calendar integration with G Suite, Office 365, Exchange, and Astra Schedule

AMS

ASSET MANAGEMENT

Atlona Management System (AMS) for configuring and deploying AV devices

NEW

CUSTOMIZABLE GUI

Redesigned tool makes it easier than ever to create elegant user interfaces

FAST CONFIGURATION

Configure control systems in minutes with intuitive navigation and menus

AFFORDABLE SCALABILITY

Integrate multiple AV systems from a single processor and lower your costs

REMOTE SERVICING

Every Velocity System includes Velocity Cloud Lite monitoring and management

ENHANCE COLLABORATION

AV integration into Cisco and Zoom meeting spaces with video conferencing

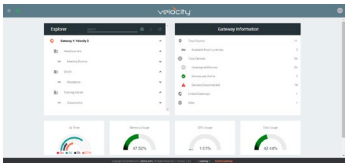
SYSTEM REDUNDANCY

Add a second processor for redundancy and built-in disaster recovery

Velocity™

Velocity System Gateways

At the heart of every Velocity System is the gateway, a server that provides the processing to serve multiple rooms of AV control and scheduling. Each gateway also includes the Atlona Management System (AMS) for configuring and managing Atlona devices, as well as Velocity Cloud Lite remote management.



Hardware Gateways

AT-VGW-HW-3 • AT-VGW-HW-10 • AT-VGW-HW-20

Server appliance with dual gigabit Ethernet ports that allow isolating the AV LAN from a corporate network

Three versions available for AV control of up to 3, 10, or 20 rooms and scheduling up to 6, 20, or 40 rooms respectively

Support hundreds of IP device* connections

Software Gateway

AT-VGW-SW • AT-VRL-SW

Designed for hosting on standard IT server infrastructure

Provides AV control for up to 20 rooms and scheduling up to 40, add additional rooms with AT-VRL-SW licenses

Supports hundreds of IP device* connections

Access from a web browser for setup and management

Velocity System Products

10" Touch Panels

AT-VTP-1000-BL • AT-VTP-1000-WH NEW

Designed for room scheduling and AV control

10" capacitive touch screen, 1280 x 800 resolution

Glass and universal one-gang wall mount included

Surround bezel LED lighting

Black and white versions available

8" Scheduling Touch Panels

AT-VSP-800-BL • AT-VSP-800-WH

Designed for room scheduling and AV control

8" capacitive touch screen

1280 x 800 resolution

Bezel LED lighting

Black and white versions available

8" Touch Panels

AT-VTP-800-BL • AT-VTP-800-WH

Designed for AV control and room scheduling

8" capacitive touch screen

1280 x 800 resolution

Black and white versions available

5.5" Touch Panels

AT-VTP-550-BL • AT-VTP-550-WH

Designed for AV control and room scheduling

5.5" capacitive touch screen

720 x 1280 resolution

Black and white versions available

Velocity Command Converters

AT-VCC-IR3-KIT

IP to IR Command Converter with Three Emitters

AT-VCC-RELAY-KIT

IP to Relay / Sensor Signal Converter

AT-VCC-RS232-KIT

IP to RS-232 Command Converter

Mounting Accessories

AT-VTP-VTM NEW

Tabletop mount for AT-VTP-1000VL 10" touch panels

Provides adjustment for height and operating angle

AT-VTP-TMK

Tabletop mount for AT-VTP-800 8" touch panels

Provides a 65° fixed operating angle

* Total available IP device capacity for AV system control, room scheduling, and AV asset management is dependent on server hardware.

OmniStream

"OmniStream was important to making everything work. The technology offers us not only high transmission quality, but many useful features such as fast switching."

– Johannes Raestrup, Project Engineer, Bimagotec

Uncompromised AV over IP performance and reliability

The ultimate AV distribution platform for integrators to design and build flexible, scalable, and cost-effective AV systems – with best-in-class AV over IP performance and reliability over Gigabit Ethernet.

OMNISTREAM PRODUCT FAMILIES – Tailor an OmniStream networked AV system design to your specific needs:

- OMNISTREAM PRO – Networked AV designed for conference rooms, lecture halls, facilities, and more, plus AV distribution over large networks
- OMNISTREAM R-TYPE – Networked AV streamlined for light commercial AV distribution applications

4K HDR

Fully compatible with Dolby® Vision™, HDR10, and HLG @ 60 Hz

1 GB ETHERNET

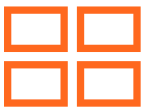
Works over new or legacy network infrastructure

PLUG AND PLAY

Ready to go with popular network switches from Cisco, Araknis, and many others

SECURE

Supports IEEE 802.1x, HDCP 2.2, AES-128, and other security protocols



VIDEO WALLS

Simple, effortless setup and configuration for video walls (landscape or portrait screens)

POE

Power all encoders and decoders from a network switch with standard PoE

AV SWITCHING

Virtual auto-switching with grouped or daisy-chained encoders

FAST SWITCHING

Deliver ultra-fast, <10 ms AV switching (1080p or WUXGA output)

DOLBY VISION

The only platform that streams Dolby® Vision™ @ 60 Hz and 12-bit color

Pro Single-Channel Networked AV Encoder

AT-OMNI-111

Single HDMI input
4K HDR including Dolby Vision @ 60 Hz
Supports VR at 2160x1200 @ 90 Hz
Plug-and-play network switch compatibility
Network security including IEEE 802.1x
Local/PoE-powered

Pro Wallplate Networked AV Encoder

AT-OMNI-111-WP

Single HDMI input
Interchangeable black or white trim kits
4K HDR including Dolby Vision @ 60 Hz
Supports VR at 2160x1200 @ 90 Hz
Plug-and-play network switch compatibility
Network security including IEEE 802.1x
PoE-powered

Pro Dual-Channel Networked AV Encoder

AT-OMNI-112

Dual HDMI inputs with auto-switching
4K HDR including Dolby Vision @ 60 Hz
Supports VR at 2160x1200 @ 90 Hz
Plug-and-play network switch compatibility
Network security including IEEE 802.1x
Local/PoE-powered

Pro Single-Channel Networked AV Decoder

AT-OMNI-121

Single HDMI output
4K HDR including Dolby Vision @ 60 Hz
Supports VR at 2160x1200 @ 90 Hz
Plug-and-play network switch compatibility
Network security including IEEE 802.1x
Audio embedding/de-embedding
Local/PoE-powered

R-Type Dual-Channel Networked AV Encoder

AT-OMNI-512

Dual HDMI inputs
4K HDR including Dolby Vision @ 60 Hz
Plug-and-play network switch compatibility
Local/PoE-powered

R-Type Single-Channel Networked AV Decoder

AT-OMNI-521

Single HDMI output
4K HDR including Dolby Vision @ 60 Hz
Plug-and-play network switch compatibility
PoE-Powered

Audio 16 Output IP to Analog Audio Bridge

AT-OMNI-238

Receives 16 audio streams from OmniStream encoders
AES67-compatible audio over IP streaming
Dante® networked audio interface
16 balanced or unbalanced audio outputs
Independent mute and volume control per output

USB over IP System

AT-OMNI-311

Host side USB to IP adapter
USB host connection for PC
Compatible with USB 2.0 data rates up to 480 Mbps
Plug-and-play network switch compatibility

USB over IP System

AT-OMNI-324

Device side IP to USB adapter
Four-port USB hub
Supports high bandwidth devices such as cameras
Compatible with USB 2.0 data rates up to 480 Mbps
Plug-and-play network switch compatibility

OmniStream provides the essential foundation for designing complete networked AV systems incorporating signal distribution, control, and system management. The Atlona **Velocity System** is the perfect complement to OmniStream, featuring highly intuitive configuration and user-friendly operation.

WAVE™

"Atlona simply makes it easy for the presenter to connect and immediately get to work."

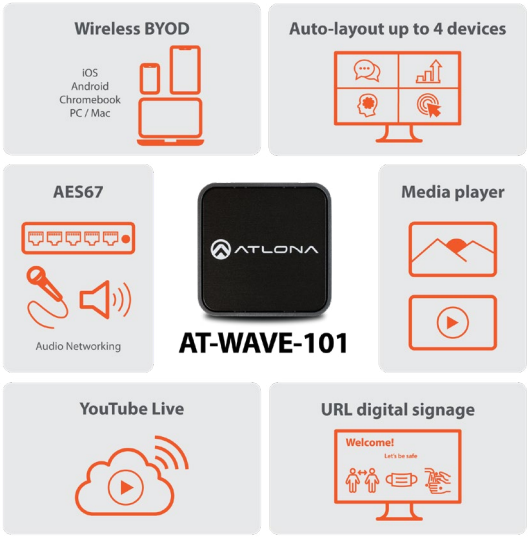
– Thomas Duffany, President, 1 Touch AVS

Effortless screen casting from any mobile device

The Atlona **Wireless AV Environment (WAVE)** is designed for easy content sharing from iOS®, Android™, Mac®, Chromebook™, or Windows® devices. The **WAVE-101** is a gateway that allows up to four presenters to share their content simultaneously on-screen, with a moderator mode available for managing additional presenters. Wireless BYOD interfacing is simply enabled through the device's native casting protocol, without the need to install an app.

For hands-free, effortless user operation, the WAVE-101 features an innovative, dynamic presentation mode that automatically adapts the on-screen layout to a new incoming content source, or whenever a presenter disconnects from the system.

The WAVE-101 is equipped with a host of convenience features ideal for education and other applications including YouTube Live streaming, support for URL-based digital signage applications, playback of locally stored images and video, and much more.



Universal Wireless BYOD Gateway

AT-WAVE-101 NEW

ALLOWS SIMULTANEOUS CONTENT SHARING from up to four presenters

INSTRUCTOR MODE allows a user to manage on-screen presenters as well as queued presenters

AES67 NETWORKED AUDIO interfacing for integration with DSPs and audio over IP systems

INTEGRATED WI-FI ACCESS POINT – can be segregated from the facility LAN for security reasons

SUPPORTS URL-BASED digital signage platforms

SUPPORTS YOUTUBE live streaming

DYNAMIC LAYOUT MODE automatically adapts to incoming or disconnected source content

WIRELESS SCREEN CASTING through native AirPlay, Google Cast, or Miracast protocols

SUPPORTS WIRELESS VIDEO up to 1080p/30 4:2:0 (up to 1080p/60 with Miracast)

WELCOME SCREEN with a static image or video background, or custom HTML content

LOCAL STORAGE for playback of images and video

PROGRAMMABLE IP OR RS-232 display control (with optional adapter) based on time schedules

CENTRALLY CONFIGURE and manage WAVE-101 units with AMS (Atlona Management System)

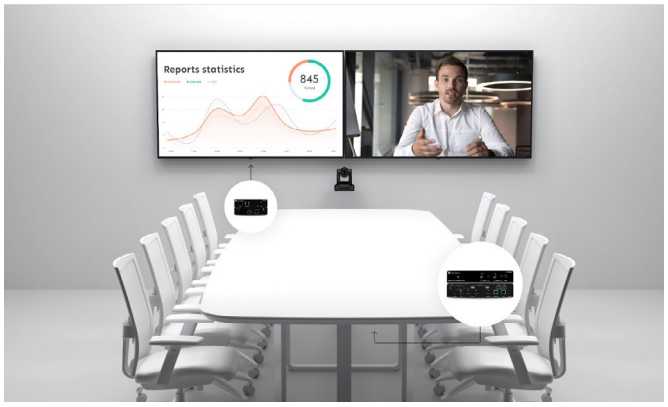
Coming soon. Contact your Atlona representative for more information and availability.

OMEGA™

"For AV connectivity, Atlona is the go-to brand for performance, reliability and support."

– Santhosh Shenoy, Engineer, Technical Design, Play Technologies

Redefining AV for presentation and collaboration



The **OMEGA Series** is is a family of switching, extension, and video processing solutions with features and technologies designed specifically for today's meeting and gathering spaces.

They're essential AV system components made for simple plug-and-play operation to deliver a presentation or video conferencing session, and collaborate with team members. An Omega Series system can be a straightforward, point-to-point setup from meeting table to display, or anchored by an AV switcher with remote endpoints at display or presenter locations.

The Omega Series lets you specify and deliver cost-friendly AV integration solutions for participants to bring in their own devices to present or share content. Omega also makes it very easy to integrate AV systems for video conferencing with popular platforms such as Zoom, Microsoft® Teams®, and Cisco® Webex®.

zoom

cisco Webex

Key Features

- SIMPLE USER OPERATION – connect and present (no button to press)
- UNIVERSAL AV CONNECTIVITY for USB-C, HDMI, and DisplayPort
- VIDEO CONFERENCING HUB – USB interfacing for PCs, cameras, speakerphones, and soundbars
- BUILT-IN AUTOMATION with auto-switching, display control, and more
- EASILY ADAPTABLE system designs for a facility, organization, or enterprise

SWITCHER

4x2 Matrix Switcher with USB-C

AT-OME-MS42

HDMI, USB-C, and DisplayPort inputs
USB-C input for AV, data, and device charging
HDBaseT and HDMI outputs
4K to 1080p downscaling for HDMI output
USB 2.0 interfacing and extension up to 330 feet (100 meters)
Audio de-embedding

SWITCHER

6x2 Matrix Presentation Switcher with USB

AT-OME-PS62

HDMI, USB-C, and HDBaseT inputs
USB-C input for AV, data, and device charging
HDBaseT and HDMI outputs
4K up/downscaling for HDMI output
USB 2.0 interfacing and extension up to 330 feet (100 meters)
Comprehensive audio integration features

SWITCHER

Wireless BYOD

5x2 Matrix Switcher with USB and Wireless AV Input

AT-OME-MS52W NEW

HDMI, USB-C, DisplayPort, and wireless AV inputs
USB-C input for AV, data, and device charging
HDBaseT and HDMI outputs
Native screen casting with AirPlay®, Google® Cast™, and Miracast™
USB 2.0 interfacing and extension up to 330 feet (100 meters)

OMEGA™ Series

SWITCHER

2x1 Switcher for HDMI and USB-C with USB Hub

AT-OME-MH21

NEW

HDMI and USB-C inputs
Integrated USB 3.0 hub
4K/UHD capability @ 60 Hz / 4:4:4 chroma sampling
4K to 1080p downscaling
Audio de-embedding

SWITCHER

3x2 Matrix Switcher for HDMI and USB-C

AT-OME-SW32

Selectable AV switching modes
4K/UHD capability @ 60 Hz / 4:4:4 chroma sampling
Support for HDR formats
4K to 1080p downscaling
Audio de-embedding

SWITCHING TRANSMITTER

3x1 Switcher for HDMI and USB-C

AT-OME-ST31A

Mirrored HDBaseT and HDMI outputs
Designed for remote powering
Local powering available with optional power supply
4K to 1080p downscaling for HDMI output
Audio de-embedding

SWITCHING TRANSMITTER

Wallplate Switcher for HDMI and USB-C with USB Hub

AT-OME-SW21-TX-WPC

NEW

2x1 switcher and HDBaseT transmitter
US one-gang enclosure
Interchangeable black or white trim kits
USB 2.0 interfacing and extension up to 330 ft (100 m)
Remote powering

TRANSMITTER

HDBaseT Transmitter for HDMI with USB

AT-OME-EX-TX

Transmitter for HDMI, Ethernet, power, control, and USB
USB 2.0 interfacing and extension up to 330 ft (100 m)
Remote powering

TRANSMITTER

Wallplate Transmitter for HDMI with USB

AT-OME-EX-TX-WP

Transmitter for HDMI, power, control, and USB
US one-gang enclosure
Interchangeable black or white trim kits
USB 2.0 interfacing and extension up to 330 ft (100 m)

Remote powering

TRANSMITTER

Wallplate Transmitter for USB-C

AT-OME-EX-TX-WPC

Transmitter for USB-C, power, control, and USB
USB-C input for AV and data
US one-gang enclosure
Interchangeable black or white trim kits
USB 2.0 interfacing and extension up to 330 ft (100 m)
Remote powering

TRANSMITTER

Wallplate Transmitter for HDMI and USB-C

AT-OME-EX-TX-WP-E

Transmitter for HDMI, Ethernet, power, control, and USB
Two-gang enclosure
Interchangeable EU/UK trim kits
USB 2.0 interfacing and extension up to 330 ft (100 m)
Remote powering

RECEIVER / SCALER

HDBaseT Receiver/Scaler with HDMI input and USB

AT-OME-SR21

Receiver for HDMI, Ethernet, power, control, and USB
USB 2.0 interfacing and extension up to 330 ft (100 m)
4K up/downscaling
Remotely powers HDBaseT transmitter
Dual Ethernet ports and integrated network switch
Contact closure for screen or display lift control

RECEIVER

HDBaseT Receiver for HDMI with USB

AT-OME-EX-RX

Receiver for HDMI, Ethernet, power, control, and USB
USB 2.0 interfacing and extension up to 330 ft (100 m)
Supplies or receives power over HDBaseT

RECEIVER / SCALER

Dual HDBaseT Receiver/Scaler with HDMI input

AT-OME-RX31

Receiver for HDMI, Ethernet, power, and control
Two HDBaseT inputs and an HDMI input
4K up/downscaling
Remotely powers two HDBaseT transmitters
Dual Ethernet ports and integrated network switch
Contact closure for screen or display lift control

RECEIVER / SCALER

HDBaseT Receiver/Scaler with HDMI input

AT-OME-RX21

Receiver for HDMI, Ethernet, power, and control
HDBaseT and HDMI inputs
4K up/downscaling
Remotely powers HDBaseT transmitter
Dual Ethernet ports and integrated network switch
Contact closure for screen or display lift control

RECEIVER

HDBaseT Receiver for HDMI with Audio

AT-OME-RX11

Receiver for HDMI, Ethernet, power, and control
Remotely powers HDBaseT transmitter
Audio de-embedding

EXTENDER KIT

HDBaseT TX/RX Kit for HDMI with USB

AT-OME-EX-KIT

Extender kit for HDMI, Ethernet, power, control, and USB

Extends 4K/UHD video up to 330 feet (100 meters) with CAT6/6a/7 cable

USB 2.0 interfacing & extension up to 330 ft (100 m) for 4K/UHD video

Transmitter powered by receiver

EXTENDER KIT

Wallplate HDBaseT TX/RX Kit for HDMI with USB

AT-OME-EX-WP-KIT

Extender kit for HDMI, power, control, and USB

Extends 4K/UHD video up to 330 feet (100 meters) with CAT6/6a/7 cable

US one-gang enclosure

Interchangeable black or white trim kits

USB 2.0 interfacing and extension up to 330 ft (100 m)

Transmitter powered by receiver

EXTENDER KIT

HDBaseT TX/RX Kit for HDMI with USB

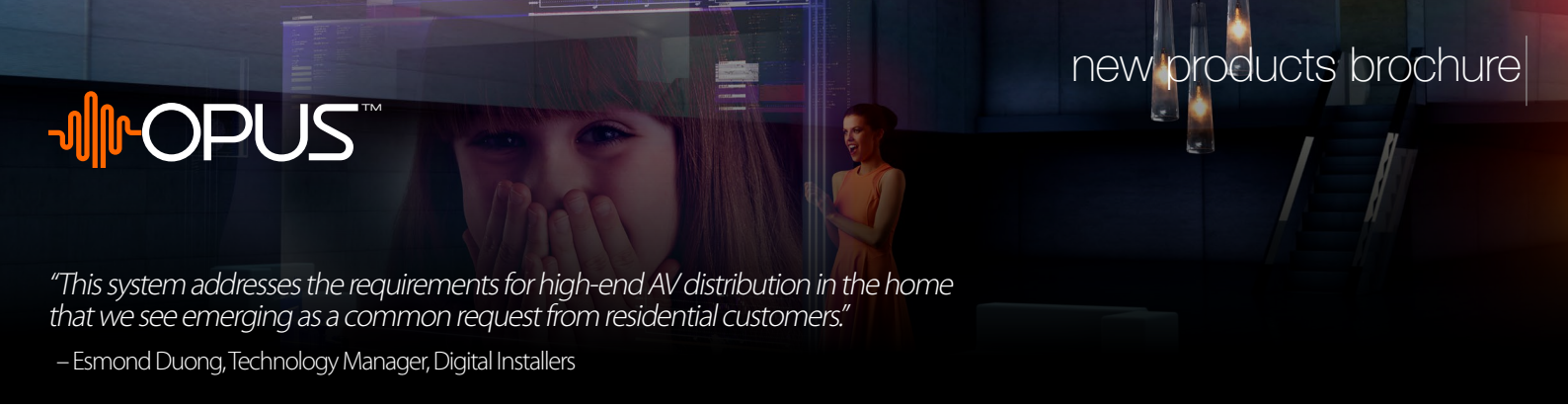
AT-OME-EX-KIT-LT

Extender kit for HDMI, power, control, and USB

Extends up to 230 feet (70 meters) @ 1080p, or up to 130 feet (40 meters) @ 4K/UHD using CAT6a/7 cable

USB 2.0 interfacing & extension up to 130 ft (40 m) for 4K/UHD video

Transmitter powered by receiver



"This system addresses the requirements for high-end AV distribution in the home that we see emerging as a common request from residential customers."

– Esmond Duong, Technology Manager, Digital Installers

4K HDR matrix switching

The Atlona **Opus™ Series** is the essential, no-compromise 4K HDR distribution solution for premium residential installations requiring whole-house AV distribution over HDBaseT. With Opus, rest assured that you'll experience the latest in high dynamic range (HDR) video technology today and for years to come.

Key Features

- HDMI TO HDBASET matrix switchers – 4×6, 6×8, and 8×10
- HDR FORMATS: HDR10 @ 60 Hz, Dolby Vision @ 30 Hz, and HLG
- FLEXIBLE, INDEPENDENT audio matrix switcher
- TRIGGER RS-232 OR CEC display control on each output
- ENDPOINT OPTIONS: HDBaseT receiver, or 4×1 HDMI + HDBaseT switcher

HDR HDMI to HDBaseT Matrix Switcher 4x6

AT-OPUS-46M

Four HDMI inputs and HDBaseT outputs
Two HDMI outputs
4K/UHD capability @ 60 Hz with 4:4:4 chroma sampling
Visually lossless VESA Display Stream Compression
Flexible, independent audio matrix switcher

HDR HDMI to HDBaseT Matrix Switcher 6x8

AT-OPUS-68M

Six HDMI inputs and HDBaseT outputs
Two HDMI outputs
4K/UHD capability @ 60 Hz with 4:4:4 chroma sampling
Visually lossless VESA Display Stream Compression
Flexible, independent audio matrix switcher

HDR HDMI to HDBaseT Matrix Switcher 8x10

AT-OPUS-810M

Eight HDMI inputs and HDBaseT outputs
Two HDMI outputs
4K/UHD capability @ 60 Hz with 4:4:4 chroma sampling
Visually lossless VESA Display Stream Compression
Flexible, independent audio matrix switcher

HDR HDBaseT Receiver for Opus Matrix Switchers

AT-OPUS-RX

4K/UHD capability @ 60 Hz with 4:4:4 chroma sampling
HDBaseT receiver for HDMI, Ethernet, power, and control up to 330 feet (100 meters)
Remotely powered by Opus matrix switcher
Delivers return audio from a TV over HDBaseT

HDR Four-Input HDMI and HDBaseT Switcher

AT-OPUS-RX41 NEW

4K/UHD capability @ 60 Hz with 4:4:4 chroma sampling
Three HDMI inputs and one HDBaseT input for HDMI, Ethernet, power, and control up to 330 feet (100 meters)
Advanced HDMI ARC for flexible audio routing
Remotely powered by an Opus matrix switcher
1080p downscaling for compatibility with HD displays

HDVS Series

"After a couple successful projects, I started recommending using Atlona for their product reliability and great integrator support."

– Jesse Portillo, System Designer

HDMI & VGA Switching & Extension Products

The Atlona **HDVS Series** is a family of complete, fully featured AV systems for a wide variety of applications and environments where people gather to communicate and collaborate. A host of advanced features and capabilities enable simplified user operation, system designs ideally sized for huddle rooms and small meeting spaces, and valuable ROI for integrators and end users

For applications requiring video conferencing, Atlona offers the Omega Series with AV plus USB switching, distribution, and extension over HDBaseT. Please see **Page 11** for more information.

HDBaseT Extender Kit

AT-HDVS-150-KIT

3×1 switcher/transmitter
HD video scaler/receiver
Audio de-embedding
230 ft./70 m transmission

HDBaseT Extender Kit

AT-HDVS-150-WP-KIT

2x1 wallplate switcher/transmitter
HD video scaler/receiver
Audio de-embedding
230 ft./70 m transmission

HDBaseT Transmitters

AT-HDVS-210U-TX-WP • AT-HDVS-210H-TX-WP

2x1 wallplate switcher/transmitter
HDMI and USB-C inputs (AT-HDVS-210U-TX-WP)
Dual HDMI inputs (AT-HDVS-210H-TX-WP)
4K/60 4:2:0
Black and white trim kits included
Also available: **AT-HDVS-210U-TX-WP-KIT** and **AT-HDVS-210H-TX-WP-KIT**

HDBaseT Transmitter

AT-HDVS-200-TX

3×1 switcher/transmitter
4K/60 4:2:0
Audio embedding
330 ft./100 m transmission
Also available: **AT-HDVS-200-TX-WP** 2x1 wallplate switcher/transmitter

HDBaseT Receiver and Scaler

AT-HDVS-200-RX

HD video scaler/receiver
Contact closure for screen control
Audio de-embedding
330 ft./100 m extension

HDBaseT Receiver and 4K Scaler

AT-HDVS-SC-RX

2×1 switcher/receiver/scaler
HDMI and HDBaseT inputs
Same essential features as the AT-HDVS-200-RX, plus:
Atlona CrystalScale™ Technology
Pristine-quality 4K image scaling and processing

Cameras

"The (Atlona PTZ) camera systems give previously unseen flexibility in the classroom, and we hear consistent praise about how the remote control functionality makes it easy to adjust camera angles in ways that are meaningful to each lesson."

– Bruce Daigle, Principal, St. Patrick Academy

Enterprise-grade, professional quality

These Atlona cameras are ideal for video conferencing and other applications such as lecture capture and distance learning. They're available in black or white, and in models with USB, HDMI, or HDBaseT outputs. All cameras are available in black or white and deliver high performance, professional-quality imaging with video resolutions up to 1080p, as well as fast and accurate auto-focusing, and a fast yet quiet pan and tilt mechanism. They're ideal for a wide range of small to medium-sized meeting spaces, classrooms, training rooms, and many other environments.

Atlona cameras are ideal for use with the Omega Series, as well the HDVS-300 and OmniStream USB over IP systems.

PTZ Camera with USB

AT-HDVS-CAM

USB 2.0 interface for video

Universal PC compatibility through standard UVC (USB Video Class) driver

High performance imaging, fine detail, and color rendering

1/2.8" low-noise, HD CMOS sensor

Multi-element zoom lens with 10x optical zoom and a 60.9° horizontal field of view

PTZ Camera with HDMI Output and USB

AT-HDVS-CAM-HDMI NEW

HDMI output

USB 2.0 interface for video

Universal PC compatibility through standard UVC (USB Video Class) driver

High performance imaging, fine detail, and color rendering

1/2.8" low-noise, HD CMOS sensor

Multi-element zoom lens with 10x optical zoom and a 60.9° horizontal field of view

PTZ Camera with HDBaseT Output

AT-HDVS-CAM-HDBT NEW

HDBaseT output for extending video, power, and camera control

Remote powering over HDBaseT – local powering available with included power supply

H.264 IP streaming

High performance imaging, fine detail, and color rendering

1/2.8" low-noise, HD CMOS sensor

Multi-element zoom lens with 10x optical zoom and a 60.9° horizontal field of view

See all cameras and learn more at: **atlona.com/ptz**

CLSO Series

"Expectations for this project were high, and I must say that the results lived up to all of our hopes."

– Michael Fleming, Village of Key Biscayne, IT Director

Simplify complex presentation spaces

AT-UHD-CLSO-824

The Atlona **CLSO Series** addresses an array of AV switching, routing, and processing needs for presentation spaces such as classrooms, lecture halls, conference rooms, divisible rooms, training rooms, and more. The CLSO Series provides interfacing for HDMI and legacy analog video sources, HDBaseT input and output extension, and several other features essential for AV integration in complex presentation spaces.

For applications requiring video conferencing, Atlona offers the Omega Series with AV plus USB switching, distribution, and extension over HDBaseT. Please see **page 11** for more information..

8×2 4K/UHD Multi-Format Matrix Switcher

AT-UHD-CLSO-824

Three HDBaseT, four HDMI, and one analog video input
Dual, mirrored HDBaseT and HDMI outputs
4K/UHD capability @ 60 Hz / 4:2:0 chroma subsampling
Audio processing features plus matrix mixing
RS-232 routing to local and remote devices

4K/UHD Six-Input Multi-Format Switcher

AT-UHD-CLSO-601

Four HDMI and two analog video inputs
Mirrored HDBaseT and HDMI outputs
4K/UHD @ 30 Hz with integrated scaler
Audio processing features and breakaway switching
RS-232 routing to local and remote devices

4K/UHD Six-Input Multi-Format Switcher

AT-UHD-CLSO-612ED

Two HDBaseT, two HDMI, and two analog video inputs
Mirrored HDBaseT and HDMI outputs
4K/UHD @ 30 Hz with integrated scaler
Audio processing features and breakaway switching
RS-232 routing to local and remote devices

SW Series

"Atlona's commitment to 4K at the time when we had to make our decisions was pretty clear from the outset given the various products they offer to support higher resolutions."

– Christoph Wax, AV Consultant

Built for essential AV integration

The Atlona **SW Series** are dependable HDMI switchers available with HDMI and HDBaseT outputs, plus features for successful AV integration including automatic input selection and display control. The flagship **SW-510W** is a unique, multi-format matrix switcher featuring an input for wireless BYOD.

AT-UHD-SW-510W

Switchers with Single HDMI Output

AT-UHD-SW-51

Five HDMI inputs

Automatic input selection

Supports ARC- Audio Return Channel

Switcher with Mirrored HDMI Outputs

AT-UHD-SW-52

Five HDMI inputs

Dual, mirrored HDMI outputs

Automatic input selection

Supports ARC- Audio Return Channel

Switcher with Mirrored HDMI and HDBaseT Outputs

AT-UHD-SW-52ED

Five HDMI inputs

Mirrored HDBaseT and HDMI outputs

Automatic input selection and display control

Remotely powers HDBaseT receiver

Switcher with HDMI and HDBaseT Inputs

AT-UHD-SW-5000ED

Two HDBaseT and three HDMI inputs

Mirrored HDBaseT and HDMI outputs

Automatic input selection and automatic display control

Remotely powers HDBaseT receiver

Universal Matrix Switcher with Wireless AV Input

AT-UHD-SW-510W

HDMI, DisplayPort, and USB-C inputs

Dedicated wireless BYOD input

HDMI and HDBaseT outputs

Native screen casting with AirPlay®, Google® Cast™, and Miracast™

Also available with USB: **AT-OME-MS52W**
(see page 11)

AVANCE™

"Atlona products save us hours in installation and setup time."

– Andy Herbst, Project Manager, Electronic Systems Support.

Versatile 4K/UHD HDMI Over HDBaseT Extension

The Atlona **Avance™ Series** of HDMI extender kits are the latest generation of reliable HDBaseT extenders for 4K/UHD AV signals. To provide increased performance and reliability, the Avance Series includes key features and technologies to ensure video transmission integrity and quality. The series includes models with a variety of powering and extension distance options plus integration-friendly features to benefit any application.

Key Features

SUPPORT FOR RESOLUTIONS up to 4K/UHD @ 60 Hz 4:2:0
EDID FILTERING - prevents extension of unsupported resolutions to increase the integrity of video transmission
CLOCK STRETCHING - improves interoperability with legacy and low-quality HDMI video sources
HDBaseT LINK TEST - enables easy verification of cabling, termination, and link quality at the point of install
FLEXIBLE POWERING - kits available with local power supplies, TX -> RX remote power, or TX <-> RX bidirectional power
CONTROL/DATA OPTIONS – kits available with no control, extension of RS-232 / IR, or extension of Ethernet / RS-232 / IR

Avance 4K/UHD HDMI Extender Kit

AT-AVA-EX70-2PS-KIT NEW

Supports resolutions up to 4K/UHD @ 60 Hz 4:2:0

Extend 4K up to 40 meters (130 feet) with Category 6/6A

Local power supply for both transmitter and receiver

Avance Extender Kit with Remote Power

AT-AVA-EX70-KIT NEW

Supports resolutions up to 4K/UHD @ 60 Hz 4:2:0

Extend 4K up to 40 meters (130 feet) with Category 6/6A

Remote power, transmitter powers receiver over HDBaseT

Avance Extender Kit with Control and Remote Power

AT-AVA-EX70C-KIT NEW

Extend 4K up to 40 meters (130 feet) with Category 6/6A

Extends bidirectional RS-232 and IR control signals

Remote power, transmitter powers receiver over HDBaseT

Avance Extender with Control and Bidirectional Power

AT-AVA-EX70C-BP-KIT NEW

Extend 4K/UHD up to 40 meters (130 feet) with Category 6/6A

Extends bidirectional RS-232 and IR control signals

Bidirectional remote power, kit may be powered by either transmitter or receiver

HDMI ARC for audio return from the display

Avance Extender with Ethernet, Control, and Bidirectional Power

AT-AVA-EX100C-BP-KIT NEW

Extend 4K/UHD up to 100 meters (330 feet) with Category 6/6A

Extends bidirectional Ethernet data as well as RS-232 and IR control signals

Bidirectional remote power, kit may be powered by either transmitter or receiver

HDMI ARC for audio return from the display

HDR Series

"We've always opted for those products which represent the best combination of quality and value. We've had a history of success with Atlona."

– BIS Digital, Inc.

4K HDR integration building blocks

The **AT-JUNO-451** is a compact, problem-solving switcher engineered for 4K/UHD and HDR-capable sources and displays. It's compatible with 4K HDR10 and Dolby Vision @ 60 Hz and fully supports video resolutions, audio formats, and color space formats in the HDMI 2.0b specification. With EDID management, auto-switching, and full control capabilities, the JUNO-451 is at home in residential or commercial applications. Also available as the **JUNO-451-HDBT** with an HDBaseT input, ideal as a local switching companion to the **Opus Series** and **UHD-PRO3 Series** matrix switchers.

AT-JUNO-451

Atlona offers a family of products to extend and distribute 4K/60 4:4:4 and 4K HDR video, all designed to deliver pristine-quality image presentations in residential and commercial applications.

EXTENDER KIT

HDMI Over HDBaseT TX/RX Kit

AT-HDR-EX-70-2PS

HDBaseT extender kit for HDMI up to 230 ft. (70 m)

4K/60 4:4:4

Compatible with 4K HDR10 @ 60 Hz & Dolby Vision @ 30 Hz

HDCP 2.2 compliant

HDBaseT link status testing

EXTENDER KIT

HDMI Over HDBaseT TX/RX with Control and PoE

AT-HDR-EX-70C-KIT

HDBaseT extender kit for HDMI, power, and control up to 230 ft. (70 m)

4K/60 4:4:4

Compatible with 4K HDR10 @ 60 Hz & Dolby Vision @ 30 Hz

HDCP 2.2 compliant

HDBaseT link status testing

EXTENDER KIT

HDMI over HDBaseT TX/RX with Ethernet, Control, PoE, and Audio

AT-HDR-EX-100CEA-KIT

HDBaseT extender kit for HDMI, audio, Ethernet, power, and control up to 330 ft. (100 m)

4K/60 4:4:4

Compatible with 4K HDR10 @ 60 Hz & Dolby Vision @ 30 Hz

HDCP 2.2 compliant

RX to TX audio return via optical pathway

HDBaseT link status testing

MATRIX SWITCHERS

4x4 and 8x8 HDMI to HDMI Matrix Switchers

AT-HDR-H2H-44MA • AT-HDR-H2H-88MA

4K/60 4:4:4

Compatible with 4K HDR10, Dolby Vision, and HLG (Hybrid Log-Gamma) @ 60 Hz

HDCP 2.2 compliantIndependent CEC display control to each output

HDMI audio de-embedding for each output

DISTRIBUTION AMPLIFIERS

Two, Four, and Eight-Output HDMI Distribution Amplifiers

AT-RON-442 • AT-RON-444 • AT-RON-448

4K/60 4:4:4

Compatible with 4K HDR10, Dolby Vision, and HLG (Hybrid Log-Gamma) @ 60 Hz

HDCP 2.2 compliant

EDID management

Supports cascading up to eight units

AUDIO DE-EMBEDDING

Single and Four Source Multi-Channel Audio Converters

AT-HDR-M2C • AT-HDR-M2C-QUAD

HDMI audio de-embedding and multi-channel audio downmixing

4K/60 4:4:4

Compatible with 4K HDR10 & Dolby Vision @ 60 Hz

HDCP 2.2 compliant

Panduit **Products**

"They have a lot of different options to serve different capacity needs. Atlona helps us reliably target all this content to very specific destinations."

– Joshua Kell, Horizon AV COO

Panduit Connectivity & Routing Products

Panduit® Connectivity & Routing products provide a professional finishing touch for any installation. The collection of table boxes, wall boxes, coupler modules, above floor raceway, and patch cables are ideal for discreetly installing AV devices and managing cabling for conference rooms, huddle spaces, classrooms, training spaces, and more. Panduit Connectivity & Routing products have been carefully selected to complement Atlona extension, switching, and control devices to deliver robust, reliable, and scalable AV distribution over structured cabling, while also providing a pleasing aesthetic.

NOTE: Panduit Connectivity & Routing products are available only to Atlona customers in the United States.

Panduit Nook Style Table Box

PND100

Provides connectivity and power at a conference room table or podium. Access door opens and slides into the unit for full access to customizable NetKey® and Mini-Com® connections within.

Panduit Tilt Up Style Table Box

PND110

Provides connectivity and power at a conference room table or podium. Press the top to tilt cover and reveal customizable NetKey® and Mini-Com® connections.

Panduit Pan-Way® Above Floor Raceway

AFR4 Series

Designed for installations where it is not possible to route data, AV, and power cables through floor or ceiling conduit. Numerous color and fitting options are available.

Panduit AV In-Wall Boxes

CMBBSWH • CMBBLWH

Ideal for installing active equipment and managing cables behind a flat panel display or projection screen. Small version offers equipment mounting area of 7.25" x 14" and large is 14" x 14".

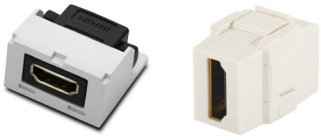
Panduit TX6A™ 10Gig Patch Cables

UTP6A Series

Category 6A UTP patch cables that include patented MaTriX technology to suppress alien crosstalk.

STP6X Series

Shielded twisted pair cables that offer high performance and excellent EMI suppression for reliable transmission.



Panduit HDMI and USB Coupler Modules

CMHDMI • CMUSBAA

HDMI and USB couplers for customizing Panduit Mini-Com® table box frames.

NKHDMI • NKUSBAA

HDMI and USB couplers for customizing Panduit NetKey® table box frames.

Accessories and Cables

"We went with Atlona, based on the variety of solutions they offer to support different sized rooms and requirements."

– Mike LeCates, Associate Director of Operations, Mid South Audio

Problem solvers and finishing touches

Sometimes you just need one more feature to round out a project and this is where Atlona accessories can help.

The **AT-USB-EX100-KIT** is a USB 2.0 extender that makes it easy to add an additional remote USB camera, microphone, or speaker to video conferencing rooms. The **AT-DISP-CTRL** provides automatic control for displays in small meeting rooms. The Atlona Pocket 3H (**AT-PKT-3H**) and **LinkConnect™** cables provide convenient cable connectivity, access, and management for BYOD environments.

USB 2.0 Extender Kit

AT-USB-EX100-KIT

NEW

- USB 2.0 extension up to 330 feet (100 meters)
- Perfect for use with conferencing apps when USB components are in different areas of the room
- Transmitter features a USB type B plus two USB type A ports
- Receiver features four USB type A ports
- Compact enclosures mount in furniture, behind a display, or above a projector

Display Controller

AT-DISP-CTRL

- Ideal for huddle rooms without AV systems
- Simple, automated display control via IP, RS-232, IR, or CEC
- Programmable display control modes
- Local or PoE (Power over Ethernet) powering
- Comprehensive display driver selection from the Velocity Control System database

Architectural Cable Access Enclosure

AT-PKT-3H

- Tabletop cable access enclosure
- Under-table cable management system
- Supplied insert holds three cables in place
- Low-profile design for any modern or traditional décor
- Convenient under-table bag conceals cables
- Also available: **AT-PKT-3H-KIT** with AV cables

LinkConnect HDMI to HDMI Cable

AT-LC-H2H

- HDMI to HDMI cables
- Available in 1, 2, and 3 meter lengths
- Locking HDMI connector
- Lifetime limited product warranty

LinkConnect Mini DisplayPort to HDMI Cable

AT-LC-MDP2H

- Mini DisplayPort to HDMI cables
- Available in 1, 2, and 3 meter lengths
- Locking HDMI connector
- Lifetime limited product warranty

LinkConnect USB-C to USB-C Cable

AT-LC-UC2UC

- USB-C to USB-C cable
- 2 meter (6.6 feet) length
- Compatible with USB 3.1 Gen 1 specification
- Lifetime limited product warranty

Panduit + Atlona: The New Leader in AV Solutions

Atlona is proud to announce it is now a Panduit company, a leading global provider of network infrastructure solutions. The combination of Panduit's cabling and connectivity products and Atlona's wide range of AV solutions supports the growing adoption of AV over IP systems. Now, you can trust one company to provide an end-to-end AV solution for your conference rooms, training rooms, boardrooms, classrooms, and digital signage.

Atlona continues to serve its customers from its Silicon Valley-based global headquarters and from its international headquarters in Zurich. Working with Atlona is business as usual as all sales, customer support, and training teams continue under the new corporate ownership. Most importantly, Atlona's award-winning 10-year warranty continues for all new and existing products.

VISION

Become the Top 3 AV Solutions Provider Globally

OUR MISSION

Offer an A/V solution portfolio that is comprehensive, intuitive, high quality, innovative and valued

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