

New Products Brochure

Innovative AV Technology Solutions

INNOVATING AV



SINCE 2003

AV for any environment: huddle spaces, conference rooms, video walls, retail / hospitality, classrooms, lecture halls, wireless collaboration, and touch-free AV.



ATLONA

a **PANDUIT** company

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Atlona: Innovating AV Since 2003

It all began 20 years ago, with an idea and a garage

From humble beginnings in Silicon Valley to joining global infrastructure leader Panduit, Atlona has become a leading manufacturer of AV distribution, AV over IP, collaboration, and control solutions.

In the early years, it was cables and video converters for the residential market. This would lead to more and more products with ever-sophisticated technology and I/O counts. As 1080p gave way to 4K, the PRO2HD matrix switcher would give way to the UHD-PRO3 Series of 4K/60 HDMI matrix switchers – an industry-first with HDCP 2.2 – to meet the demand for high-end home theater.

When corporate meeting spaces saw HDMI signals appear and the sun started to set on the analog world, Atlona was there with the right solutions to smooth the transition. This would lead to an evolution of simplified “Zero UI Meeting Rooms” using the compact HDVS Series switchers, while larger rooms and classrooms benefited from the CLSO Series of multi-format switchers. These products offered automatic input selection, automatic display control, and scaling, plus the ability to work with a variety of control systems – or none at all for simple user operation.

Fast forward to 2016, and Atlona takes awards for its innovative **OmniStream™** AV over IP series, moving corporate and education systems from fixed I/O matrix switchers to the world of network-based signal distribution systems. The following year, Atlona wins again for its pioneering **Velocity™** network-based AV control; a platform as advanced as it is easy to deploy. Velocity evolved the single room / single processor concept to multiple rooms managed by a single gateway appliance, or even a software gateway on a server or in the cloud.

Today, Atlona innovates again with the **Omega™** Series of switching, extension, and video processing products. These are loaded with features and technologies designed specifically for today's meeting and gathering spaces that require universal AV connectivity for HDMI, DisplayPort, USB-C, and wireless. Atlona also offers integrators and meeting room managers the ability to enhance their systems with the **Captivate™** family of speakerphone and 4K ePTZ camera components, as well as the **WAVE-101** wireless AV platform that features multi-presenter content sharing and moderation, livestreaming, and other advanced presentation features.

Atlona is driven to improve technology for the sharing of ideas, through innovative AV products used every day in a wide variety of commercial and educational applications. Our team is here to prioritize quality, user experience, simplicity, and management in every product we develop. We are indebted to you, our customers, system designers, manufacturer's reps, and distribution partners. All of you have helped make these past 20 years incredible. Here's to the next 20 years of innovation!



Application: Hybrid Meeting Room

Many workers have become accustomed to hosting video conferencing sessions on their laptop. At the office, they may be required to host sessions in a meeting space and include both in-person and remote attendees. For this instance, it is important to have the right AV equipment, so all participants are seen and heard clearly.



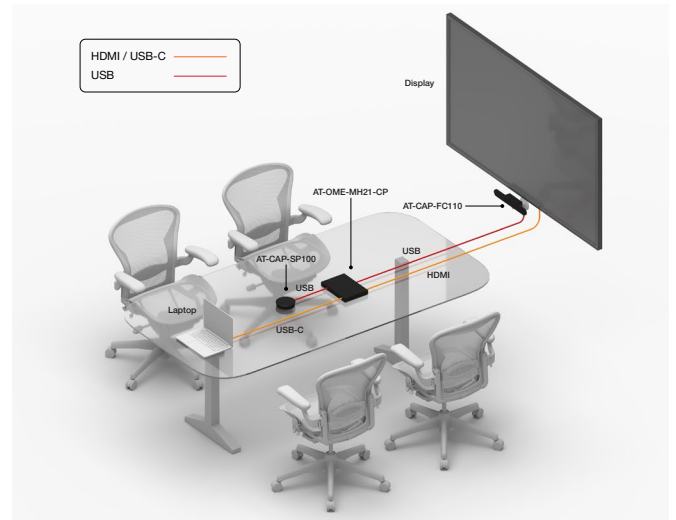
Atlona offers critical components that help improve the soft codec video conferencing experience. The **AT-OME-MH21-CP** is a versatile USB-C and HDMI switcher equipped with a USB 3.0 hub for video conferencing peripherals. Our new **Captivate™ Series** of audio and video solutions for unified communications (UC) includes the **AT-CAP-FC110** auto-framing camera and the **AT-CAP-SP100** USB / Bluetooth® speakerphone.

When users connect their laptop to the system, they gain access to the high resolution camera and conferencing-grade speakerphone for use with popular applications such as Zoom and Microsoft Teams.

CONFERENCING-GRADE AV – The Captivate Series camera and speakerphone provide video capture and audio performance far superior to the native capabilities of laptops.

USB-C SUPPORT – A single connection between the user’s laptop and the system provides access to the display, camera, and speakerphone, plus charging.

AUTOMATIC DISPLAY CONTROL – Turns the display on when a laptop is connected, and powers the display off when it is disconnected.



Featured Products



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

AT-OME-MH21-CP, see page 11



Captivate 4K ePTZ Auto-Framing Camera

AT-CAP-FC110, see page 17



Captivate USB / Bluetooth Speakerphone

AT-CAP-SP100, see page 17

Application: Velocity Remote Access

Many dealers as well as large commercial and education institutions take advantage of Velocity's ability to support multiple rooms of AV control and room scheduling from a single gateway. When separate customer sites or campus locations are involved, it becomes increasingly important to be able to manage those systems efficiently. Remote access offers numerous benefits ranging from centralized configuration and management to more responsive support.



Velocity™ Premier Services –Remote Gateway (AT-VPS-RG), is a powerful online resource that allows dealers and AV / IT technology managers to access a Velocity hardware or software gateway over the internet for remote configuration, management, and control. Using patent-pending cloud technology, servers establish a secure proxy connection with the gateway and create exclusive links for direct access. VPS-RG offers the following benefits for users interested in off-site administration of their Velocity systems.

REMOTE ACCESS – Configure Velocity systems and manage devices over the internet, reducing costs associated with on-site visits and truck rolls as well as increasing responsiveness for support issues.

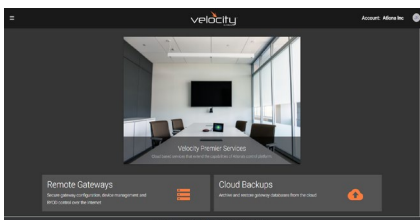
ONLINE DASHBOARD – The intuitive online dashboard provides centralized access for managing multiple gateways.

CLOUD BACKUPS – Store the latest configurations in the cloud as a backup if something happens to the onsite equipment.

BYOD AV CONTROL – Users can scan a Velocity room control QR code and control the AV system over their devices internet connection, simplifying connectivity for those without access to the local AV network.



Featured Products



Remote Management for Velocity Gateways

AT-VPS-RG, see page 9



Velocity Hardware and Software Gateways

AT-VGW, see page 9



Velocity Touch Panels for AV Control and Room Scheduling

AT-VTP, see page 9

Application: Presentation Overflow

In universities and other educational institutions, it's not uncommon to encounter situations in which there are more people wanting to attend a lecture session than the number of available seats. This scenario can also apply to enterprises and conference centers, in which the presentation room may have seating capacity insufficient to meet high demand.

OmniStream 2.0 is a major technology update to the **Atlona OmniStream™** AV over IP platform. A marquee feature is multiview processing, which is built into the AV decoder and allows multiple sources to be presented on-screen.

For this application, any room tied into OmniStream with the AT-OMNI-121 decoder can serve as overflow for a presentation session. In the main room, the audience sees the presenter's content in 4K. For the overflow room, the audience views the same 4K content, plus a livestream of the presenter in HD (720p).

MULTIVIEW PROCESSING – Incorporated into the OMNI-121 decoder, so that no external processor is necessary.

HIGH-EFFICIENCY STREAMING – OmniStream 2.0 features the new VCx™ codec which enables simultaneous 4K and HD streams over Gigabit Ethernet. This allows the OMNI-121 to ingest both for multiview processing.

APPLICATION FLEXIBILITY – Any or multiple rooms with the OMNI-121 can serve as overflow, since multiview capability is inherent to the decoder.

Featured Products



Single-Channel Networked AV Encoder

AT-OMNI-111, see page 7



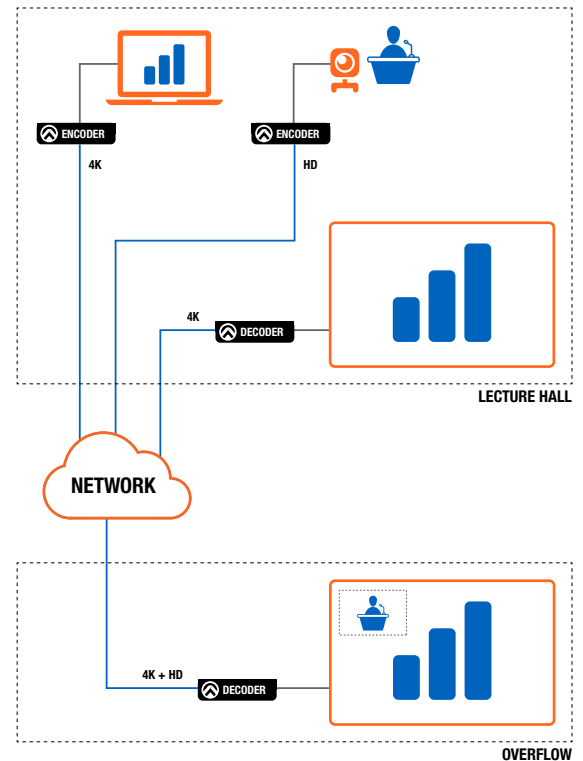
Wallplate Networked AV Encoder

AT-OMNI-111-WP, see page 7



Single-Channel Networked AV Decoder

AT-OMNI-121, see page 7


















Uncompromised AV over IP performance and reliability

The ultimate networked AV distribution platform with best-in-class performance and reliability over Gigabit Ethernet. **OmniStream™** is ideal for light commercial applications, conference rooms, lecture halls, facilities, and more, plus AV distribution over large networks.

OmniStream 2.0 Technology Update NEW

OmniStream 2.0 is a major firmware update that brings all-new features and performance capabilities to OmniStream AV encoders and decoders. OmniStream 2.0 dramatically broadens integration opportunities for new customers, and offers enhanced functionality for existing installations.

- New and enhanced VCx™ codec delivers 4K/60 4:4:4 with artifact-free presentation of computer-generated content and fast-motion video
- High-efficiency coding enables multiple HD streams over Gigabit Ethernet, multiple 4K streams over 10 Gigabit uplinks between network switches, and simultaneous 4K and HD streams over Gigabit Ethernet
- Multiview window processing in decoder – display up to 4 sources on a screen
- Thumbnail preview of video streams through Velocity AV control or in the web GUI
- OmniStream 2.0 is available in new systems and as a no-cost firmware update

<p>4K/60 4:4:4</p>  <p>Also supports HDR formats</p>	<p>Artifact-free encoding</p>  <p>Optimized for graphics and video content</p>	<p>Ultra-low latency</p>  <p>< 1 frame latency from encode to decode</p>	<p>Multiview processing</p>  <p>Show multiple sources on a single screen</p>	
<p>1 Gigabit Ethernet</p>  <p>New or legacy infrastructure</p>	<p>Flexible AV switching</p>  <p>Auto-switching with encoders</p>		<p>PoE powering</p>  <p>Power endpoints with standard PoE</p>	<p>Video walls</p>  <p>Landscape or portrait screens</p>
<p>Fast switching</p>  <p>Ultra-fast switching up to 4K/60</p>	<p>Plug and play</p>  <p>Ready to go with popular network switches</p>	<p>Secure streaming</p>  <p>IEEE 802.1x, AES-128, and other protocols</p>	<p>AES67 audio networking</p>  <p>Integrate with networked audio systems</p>	



Single-Channel Networked AV Encoder

AT-OMNI-111

- Single HDMI® input
- 4K/60 4:4:4 plus HDR formats
- Optimized for graphics and fast-motion video
- Ultra-low latency
- Network security including IEEE 802.1x
- Local/PoE-powered



Wallplate Networked AV Encoder

AT-OMNI-111-WP

- Single HDMI input
- Interchangeable black or white trim kits
- 4K/60 4:4:4 plus HDR formats
- Optimized for graphics and fast-motion video
- Ultra-low latency
- Network security including IEEE 802.1x
- PoE-powered



Dual-Channel Networked AV Encoder

AT-OMNI-112

- Dual HDMI inputs with auto-switching
- 4K/60 4:4:4 plus HDR formats
- Optimized for graphics and fast-motion video
- Ultra-low latency
- Network security including IEEE 802.1x
- Local/PoE-powered



Single-Channel Networked AV Decoder

AT-OMNI-121

- 4K/60 4:4:4 plus HDR formats
- Optimized for graphics and fast-motion video
- Ultra-low latency
- Video wall processing
- Multiview processing
- Network security including IEEE 802.1x
- Audio embedding/de-embedding
- Local/PoE-powered



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
- Pair with up to seven OMNI-324 units
- Ideal for USB routing or point-to-point extension



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
- Pair up to seven units with an OMNI-311
- Ideal for USB routing or point-to-point extension

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



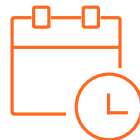
AV control, scheduling, configuration, and remote access

Atlona **Velocity™** is an innovative IP-based control platform that offers a comprehensive set of capabilities for modern AV installations. It saves valuable time with the ability to configure control systems in minutes, and quickly modify functionality free of extensive programming. In addition to AV control, Velocity includes calendar integration for room scheduling touch panels, centralized configuration of AV devices, and remote management from the cloud.



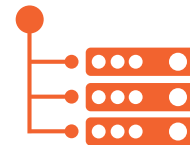
QR BYOD OR TOUCH PANEL

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



ROOM SCHEDULING

Supports calendar integration with Google Workspace™, Office 365™, Exchange®, and Astra Schedule



DEVICE MANAGER

Centralized discovery, setup, and firmware / credential updates for Atlona devices



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 GATEWAY

Optional Velocity Premier Service for configuration, management, and control over the Internet



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 System Gateways

At the heart of every Velocity system is the gateway, a server that provides processing for a single or multiple rooms of AV control and scheduling. Each gateway also includes the Atlona Management System (AMS) for configuring and managing Atlona devices.



Hardware Gateways

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

Server appliance that supports hundreds of IP device* connections

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



Software Gateway

AT-VGW-SW • AT-VRL-SW

Designed for hosting on standard IT server infrastructure with support for hundreds of IP device* connections

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



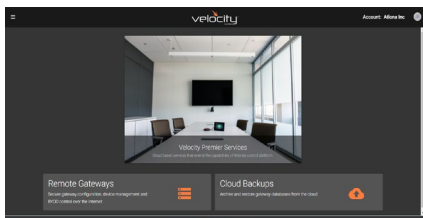
All-in-one Control System

AT-VTPG-1000VL-BL • AT-VTPG-1000VL-WH

10" touch panel with contemporary styling and bezel lighting

Integrated Velocity gateway supports one room of control for up to 24 devices and two scheduling panels

Velocity Products



Premier Services - Remote Gateway

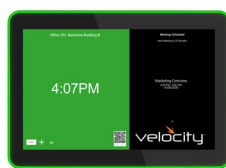
AT-VPS-RG-T1 • AT-VPS-RG-T2 • AT-VPS-RG-T3

Securely configure and manage gateways over the Internet

Automatically backup gateway databases to the cloud

Support QR code and BYOD control of AV systems over the users Internet connection instead of through the AV LAN

Multiple tiered levels of service available



10" Touch Panels

AT-VTP-1000VL-BL • AT-VTP-1000VL-WH

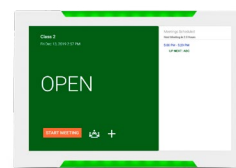
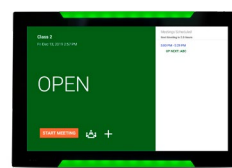
Designed for room scheduling and AV control

10" capacitive touch screen, 1280 x 800 resolution

Glass and universal one-gang wall mount included

Surround bezel LED lighting

Tabletop mounting available with optional **AT-VTP-VTM**



8" Scheduling Touch Panels

AT-VSP-800-BL • AT-VSP-800-WH

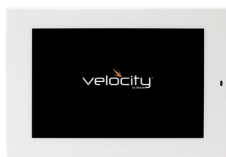
Designed for room scheduling and AV control

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

Tabletop mounting available with optional **AT-VTP-TMK**



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

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

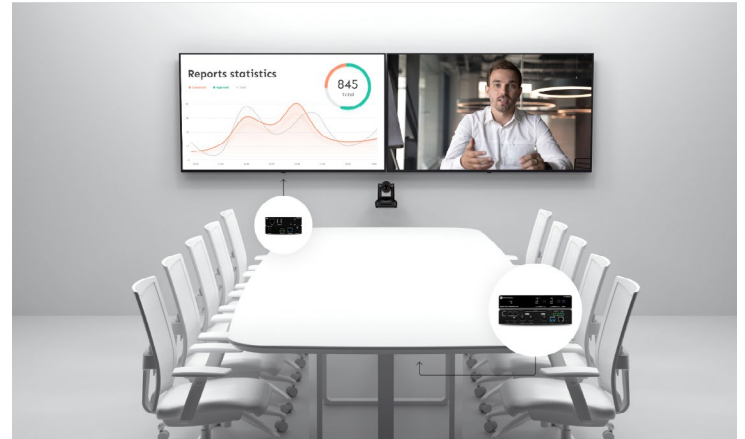


Redefining AV for presentation and collaboration

The **Omega Series** 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 user 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 devices for presenting or sharing content. Omega also makes it very easy to integrate AV systems for video conferencing and hybrid meetings.



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
- HDBase™ and HDMI outputs
- 4K to 1080p downscaling for HDMI output
- USB 2.0 extension up to 330 feet (100 meters)
- Audio de-embedding

SWITCHER

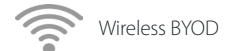


6x2 Matrix Presentation Switcher with USB

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 extension up to 330 feet (100 meters)
- Comprehensive audio integration features

SWITCHER



5x2 Matrix Switcher with USB and Wireless AV Input

AT-OME-MS52W

- 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 extension up to 330 feet (100 meters)
- Also available: **AT-UHD-SW-510W** (similar but without USB)

SWITCHER



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

AT-OME-MH21

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



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

AT-OME-MH21-CP

HDMI and USB-C inputs; USB-C with 60 W charging
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

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

RECEIVER



HDBaseT Receiver for HDMI with Audio

AT-OME-RX11

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

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

EXTENDER KIT



Wallplate HDBaseT Extender for HDMI with USB

AT-OME-EX-WP-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
 US one-gang enclosure
 Interchangeable black or white trim kits
 USB 2.0 extension up to 130 ft (40 m) for 4K/UHD
 Transmitter powered by receiver

EXTENDER KIT



HDBaseT Extender 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)
 USB 2.0 extension up to 330 ft (100 m) for 4K/UHD
 Transmitter powered by receiver

EXTENDER KIT



Wallplate HDBaseT Extender 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)
 US one-gang enclosure
 Interchangeable black or white trim kits
 USB 2.0 extension up to 330 ft (100 m)
 Transmitter powered by receiver

EXTENDER KIT



HDBaseT Extender 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
 USB 2.0 extension up to 130 ft (40 m) for 4K/UHD
 Transmitter powered by receiver

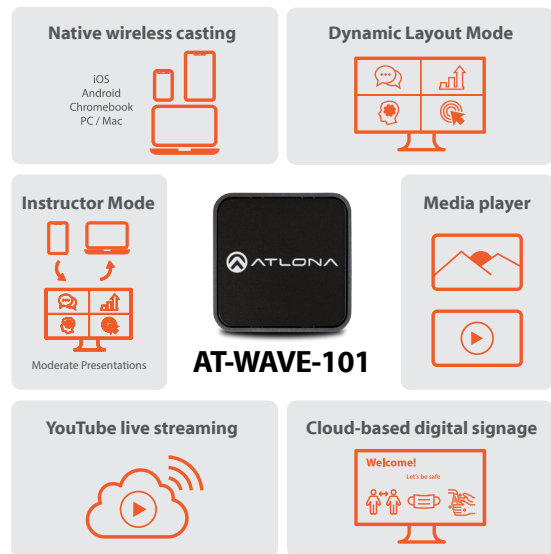
WAVE™

Effortless screen casting from any mobile device

The Atlona **Wireless Audio Visual Environment (WAVE)** is designed for easy content sharing from iOS®, Android™, Mac®, Chromebook™, or Windows® devices. The **WAVE-101** 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, with no setup necessary beforehand.

For hands-free, effortless user operation, Dynamic Layout Mode™ is an innovative feature of the WAVE-101 that automatically adapts the on-screen layout to incoming or disconnected source content, to optimize the way the content is presented on the screen.

The WAVE-101 is equipped with a host of additional features to enhance education, corporate, and many other applications, including YouTube Live streaming, playback of locally stored images and video, and much more.



Wireless Presentation Platform

AT-WAVE-101

ALLOWS SIMULTANEOUS CONTENT SHARING for up to four presenters

INSTRUCTOR MODE allows a user to manage content, upload and play media content, stream YouTube™, and switch between layouts

OPTIONAL WI-FI® ACCESS POINT – with built-in firewall

SUPPORTS CLOUD-BASED digital signage platforms

SUPPORTS YOUTUBE Live streaming

DYNAMIC LAYOUT MODE automatically adapts to incoming or disconnected source content (patent pending)

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

SUPPORTS WIRELESS VIDEO up to 1080p30 4:2:0 (up to 1080p60 with Miracast)

LOCAL STORAGE available for playback of images and video

PROGRAMMABLE DISPLAY CONTROL based on time schedules via IP, RS-232 (with optional adapter), or TCP proxy

AUTOMATIC DISPLAY CONTROL available with the AT-OCS-900N occupancy sensor

CENTRALLY CONFIGURE and manage WAVE-101 units with Velocity™

SUPPORTS NETWORK SECURITY features and protocols such as WPA2-PSK, IEEE 802.1x (Ethernet port only), and AES-128 encryption

The WAVE-101 is ideal for classrooms and meeting spaces, as well as open gathering areas where people come together to collaborate and communicate. The appeal of this product is the ability for participants to quickly and easily share content right from their laptops, smartphones, or tablets, with no advance setup necessary.



The WAVE-101 allows multiple students to share from their seats, with the instructor controlling the presentation through a specially designed moderator mode.

Wireless BYOD connections as easy as 1-2-3

The WAVE-101 lets you cast your screen from an iOS, Android, Mac, Chromebook, or Windows device. There's no setup necessary beforehand – just use the native AirPlay®, Google Cast™, or Miracast™ protocol built into your laptop, smartphone, or tablet. For security, the WAVE-101 can randomly generate PIN access codes.

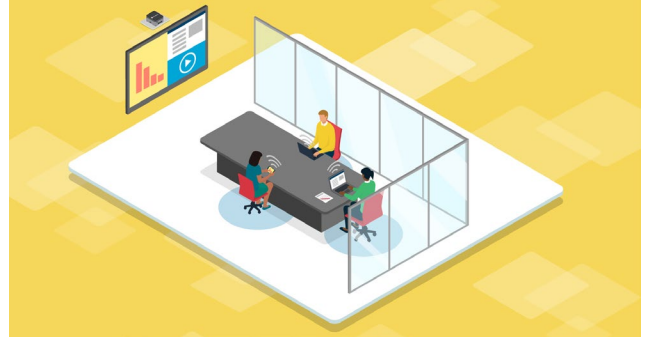
Dynamic Layout Mode (patent pending)

For hands-free, effortless user operation, Dynamic Layout Mode™ is an innovative feature of the WAVE-101 that automatically adapts the on-screen layout to incoming or disconnected source content, to optimize the way the content is presented on the screen.

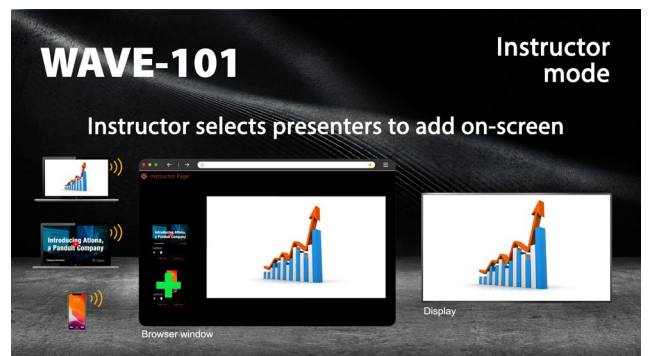
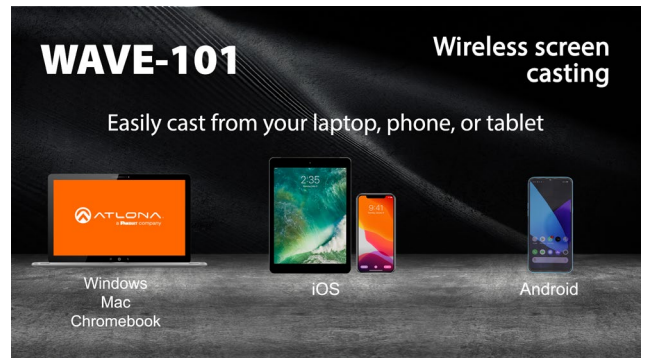
Instructor Mode

Designed for education applications, Instructor Mode allows moderation of sessions with multiple presenters. When activated, Instructor Mode automatically places each newly connected student device into a queue. Through a web portal, the instructor determines which students can share content with everyone.

Instructor Mode is also ideal for moderating between multiple presenters in business meetings.



For existing AV systems in meeting rooms, the WAVE-101 offers an ideal upgrade opportunity to add wireless AV and many other capabilities such as digital signage playback.



Atlona Room Kits

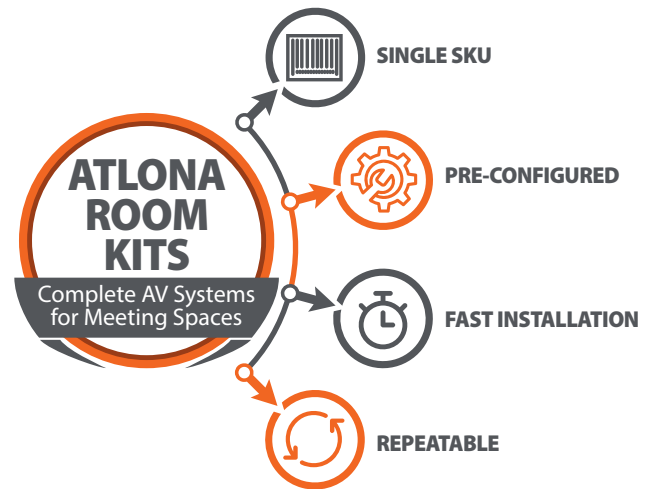


Bundled AV systems for meeting room environments

Meeting spaces typically include AV technology that allows participants to present content to a display or collaborate via video conferencing. Making these systems work requires integration of video, audio, USB, control, display, and networking components from several different manufacturers. Engineering, configuration, testing, and procuring these systems, as well as dependably repeating them can be difficult and time consuming.

Atlona Room Kits solve these issues by providing bundled, fast-to-install AV systems for some of the most common spaces where AV is used including huddle, conference, and training rooms.

Atlona Room Kits are only sold through distributor-partners in the US and Canada



SINGLE SKU



- Ordering from one vendor reduces paperwork, complexity, and time
- Systems ship complete reducing logistics and inventory issues
- Consistent budgeting – reliably forecast equipment costs depending on room type

FAST INSTALLATION



- Exclusive enclosure with pre-installed AV components and cables arrives ready-to-hang
- Discreetly mounts on the wall behind the display
- Reduces room down time

PRE-CONFIGURED



- Systems are engineered, assembled, configured, and tested prior to shipment
- System is 80% complete when it arrives with only site-specific parameters remaining
- Velocity™ control system pre-loaded with default configuration for each room kit, no programming required

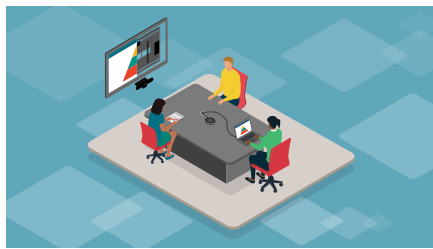
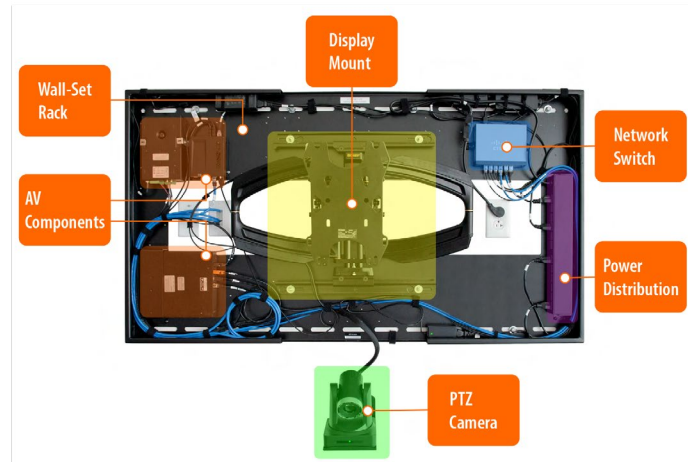
REPEATABLE



- Standardization means more rooms can be installed faster and more reliably than customized solutions
- Every room works the same, reducing training requirements
- Support is easier due to similar equipment and limited number of configurations

Exclusive Wall-Set Rack

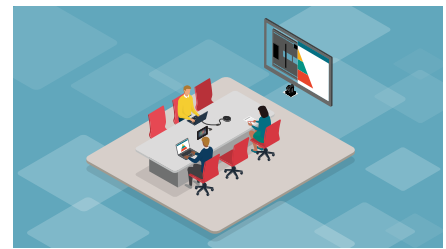
Atlona Room Kit solutions include an exclusive wall-mounted rack that arrives ready-to-hang with equipment and cabling pre-installed. The sleek, low-profile enclosure discreetly mounts behind the display, and dramatically reduces installation time.



Huddle Room Kit

AT-ARK-HR-104-KIT

Designed for huddle rooms that host up to 4 people
Provides routing of HDMI video and USB data for laptop computers
Includes a speakerphone, ePTZ camera, and automatic display control
55" display recommended and is purchased separately



Small Conference Room Kit

AT-ARK-SC-104-KIT

Designed for conference rooms that host up to 6 people
Provides routing of HDMI video and USB data for multiple devices
Includes a speakerphone, PTZ camera, and touch panel control
65" display recommended and is purchased separately



Medium Conference Room Kit

AT-ARK-MC-104-KIT

Designed for conference rooms that host up to 10 people
Provides routing of HDMI video and USB data for multiple devices
Includes a PTZ camera, touch panel control, tabletop beamtracking microphone, DSP, amplifier, and ceiling speakers
75" display recommended and is purchased separately



Training Room Kit

AT-ARK-TR-201-KIT

Designed for training rooms that host sessions of up to 20 people
Provides routing of HDMI video and USB data for multiple devices, as well as remote inputs from instructors and students
Includes touch panel control, two PTZ cameras, support for a second display, ceiling beamtracking and desktop microphones, DSP, amplifier, and ceiling speakers
85" displays recommended and are purchased separately

Cameras and Speakerphone

Enterprise-grade, professional quality

Atlona **Captivate™** is a series of audio and video solutions developed specifically for unified communications (UC) applications. They work in unison to optimize soft codec video conferencing experiences.

Atlona PTZ cameras are ideal for video conferencing and other applications such as lecture capture and distance learning. Models are available with USB, HDMI®, or HDBaseT™ outputs. All 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.

Atlona cameras and speakerphone are ideal for use with the **Omega™** Series and **OmniStream™** USB over IP systems.



Captivate 4K ePTZ Auto-Framing Camera

AT-CAP-FC110



- USB 3.0 interface for video and audio
- Standard UVC driver for universal PC compatibility
- Automatically detects and re-frames camera for up to 6 participants
- 2-microphone array with 5 m (16 ft) audio pickup range
- High performance imaging, fine detail, and color rendering with 1/2.8" 4K CMOS sensor
- 4x digital zoom and 110° wide horizontal field of view



Captivate USB / Bluetooth Speakerphone

AT-CAP-SP100



- USB, Bluetooth®, and analog audio connectivity
- 360-degree coverage up to 16 feet (5 meters)
- 6-element microphone array, acoustic echo cancellation, and noise suppression enhance voice intelligibility
- 8-hours of battery operation on a single charge
- Cascade mode allows two speakerphones to cover larger meeting spaces



PTZ Camera with USB

AT-HDVS-CAM

- USB 2.0 interface for video
- Standard UVC driver for universal PC compatibility
- H.264 and H.265 IP streaming
- High performance imaging, fine detail, and color rendering with 1/2.8" low-noise, HD CMOS sensor
- 10x optical zoom and 60.9° horizontal field of view



PTZ Camera with HDMI and USB

AT-HDVS-CAM-HDMI

- HDMI output and USB 2.0 interface for video
- Standard UVC driver for universal PC compatibility
- H.264 and H.265 IP streaming
- High performance imaging, fine detail, and color rendering with 1/2.8" low-noise, HD CMOS sensor
- 10x optical zoom and 60.9° horizontal field of view



PTZ Camera with HDBaseT

AT-HDVS-CAM-HDBT

- HDBaseT output extends video, power, and control
- Supports remote powering over HDBaseT
- H.264 and H.265 IP streaming
- High performance imaging, fine detail, and color rendering with 1/2.8" low-noise, HD CMOS sensor
- 10x optical zoom and 60.9° horizontal field of view

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

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

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

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

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

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

4K HDR integration building blocks

Atlona is proud to introduce our next generation of HDMI® to HDBaseT™ distribution amplifiers, the **AT-HDR-CAT** series. This new lineup delivers superior video performance including support for 4K/UHD @ 60 Hz with 4:4:4 chroma sampling plus support for high dynamic range (HDR) formats. The HDR-CAT series are ideal for a wide array of video distribution applications including hospitality and retail displays, commercial reception areas or warehouses, and educational AV systems that require multiple screens. Rounding out the series are two receivers that can be remotely powered from the distribution amplifiers and discreetly mounted behind a display or above a projector.

Atlona also offers a variety of 4K HDR switchers, matrixes, extenders, and other tools, all designed to deliver pristine-quality video in any residential and commercial application.



Two-Output 4K HDR HDBaseT Distribution Amplifier

AT-HDR-CAT-2

- One HDMI input and two HDBaseT outputs
- Extend 4K/60 4:4:4 up to 130' (40 m)
- Supports HDR10, HLG, and Dolby® Vision™
- Pass-through HDMI output
- CEC display control on each output
- Audio de-embedding with volume control



Four-Output 4K HDR HDBaseT Distribution Amplifier

AT-HDR-CAT-4

- One HDMI input and four HDBaseT outputs
- Extend 4K/60 4:4:4 up to 130' (40 m)
- Supports HDR10, HLG, and Dolby® Vision™
- Pass-through HDMI output
- CEC display control on each output
- Audio de-embedding with volume control



Eight-Output 4K HDR HDBaseT Distribution Amplifier

AT-HDR-CAT-8

- One HDMI input and eight HDBaseT outputs
- Extend 4K/60 4:4:4 up to 130' (40 m)
- Supports HDR10, HLG, and Dolby® Vision™
- Pass-through HDMI output
- CEC display control on each output
- Audio de-embedding with volume control



4K HDR HDBaseT Receiver with Control and Remote Power

AT-HDR-EX-70C-RX

- HDBaseT receiver for HDMI, control, and power
- 4K HDR extension up to 130' (40 m)
- Compatible with HDR-CAT-2, HDR-CAT-4, and HDR-CAT-8
- Remotely powered by HDR-CAT's
- Compact enclosure can be mounted behind a display or above a projector



Four-Output Extended Distance 4K HDR HDBaseT Distribution Amplifier

AT-HDR-CAT-4ED

- One HDMI input and four HDBaseT outputs
- Extend 4K/60 4:4:4 up to 330' (100 m)
- Supports HDR10, HLG, and Dolby® Vision™
- Pass-through HDMI output
- CEC display control on each output
- Audio de-embedding with volume control



4K HDR HDBaseT RX with Control, Ethernet, and Remote Power

AT-HDR-EX-100CEA-RX

- Receiver for HDMI, Ethernet, control, and power
- 4K HDR extension up to 330' (100 m)
- Compatible with HDR-CAT-4ED
- Remotely powered by HDR-CAT-4ED
- Compact enclosure can be mounted behind a display or above a projector



SWITCHER



4x1 HDMI Switcher

AT-JUNO-451

4K/60 4:4:4
Compatible with 4K HDR10 and Dolby Vision
HDCP 2.2 compliant
Automatic input selection
HDMI or ARC audio de-embedding on TOSLINK

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)
HDCP 2.2 compliant
Independent 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)
HDCP 2.2 compliant
EDID management
Supports cascading up to eight units

EXTENDER KIT



HDMI Over HDBaseT™ TX/RX Kit

AT-HDR-EX-70-2PS

HDBaseT extender kit for HDMI up to 130' (40 m) for 4K/60 4:4:4 or 230' (70 m) for 1080p
Compatible with 4K HDR10 and Dolby Vision
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 130' (40 m) for 4K/60 4:4:4 or 230' (70 m) for 1080p
Compatible with 4K HDR10 and Dolby Vision
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 and Dolby Vision
HDCP 2.2 compliant
RX to TX audio return via optical pathway
HDBaseT link status testing

EDID EMULATOR



EDID Emulator for 4K Signals

AT-ETU-SYNC

EDID emulation for HDMI signals
5 Volt and Hot Plug Detect emulation
Detects and resolves signal handshaking issues between source and destination devices
4K/60 4:4:4 plus HDR formats

AUDIO DE-EMBEDDING



4K HDR Multi-Channel Audio Converter

AT-HDR-M2C

HDMI audio de-embedding and multi-channel audio downmixing
4K/60 4:4:4
Compatible with 4K HDR10 and Dolby Vision
HDCP 2.2 compliant

Accessories

Problem solvers and finishing touches

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

AT-OCS-900N and **AT-DISP-CTRL** provide automated control for AV systems and displays in small meeting rooms based on occupancy or signal detection. 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 Pocket 3H (**AT-PKT-3H**) and **LinkConnect™** cables provide convenient cable connectivity, access, and management for BYOD environments.



Network-Enabled Occupancy Sensor

AT-OCS-900N

Multi-function sensor detects occupancy, temperature, and ambient light level
 IP-enabled for communicating state over Ethernet
 Works with WAVE™ and Velocity™ for AV automation
 Shares status with third parties over common protocols
 Customizable detection area from 900 – 2,000 sq. ft.



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



USB 2.0 Extender Kit

AT-USB-EX100-KIT

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 one USB-B and two USB-A ports
 Receiver features four USB-A
 Compact enclosures for flexible mounting



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



LinkConnect Cables

AT-LC-H2H

HDMI to HDMI cables - 1, 2, and 3 meters

AT-LC-MDP2H

Mini DisplayPort to HDMI cables - 1, 2, and 3 meters

AT-LC-UC2UC

USB-C to USB-C cable - 2 meters

Atlona Academy Training

Atlona Academy

We train dealers, distributors, employees, and end-users on Atlona product lines but also the general aspects of the audio-video industry. We walk you through the basic elements of audio, video, networking, cabling, and control as well as understanding your laptop as a tool. Whether you are new to Atlona or new to the industry we will help you better understand the elements of your industry without wasting time but helping you do your job better and faster.

Who is the training for?

Dealers and Integrators – If you have new technicians or want to help them grow within the company, Atlona Academy offers a multidisciplinary and multitiered training program to help your team gain the industry skills and experience to be successful.


Programmers – If you've used other control systems and want to get a deeper understanding of Velocity™, we give you tools to be successful with our versatile control solution. Velocity can help you get a system started so that you can test the connections, but it also has the ability to be customized without the need for a computer science degree.


Designers – You will learn what questions to ask, how to create the best solution, and how to document the solution for easier installation, maintenance, and client sign-off. We also help you understand how to break down a complex integration into smaller parts and create a design that provides a great user experience regardless of where you are on the campus.


Sales and End-Users – You need to understand the industry elements and language to be successful at choosing the right partners. Atlona Academy will provide an overview of the AV industry to give you a solid foundation and offers the opportunity to increase your skills as far as you are willing to go.





Atlona Academy Learning Levels

- 

Foundations
This is a survey-type course that walks you through the language and basic understanding of six primary elements within the AV industry. We cover computers and the basics you need to know to make it your most important tool, then we add cabling, audio, video, networking, and control. Each of these topics has a language and overlaps with each other to create a complete AV system.
- 

Fundamentals
Now that you know the elements, we build the solutions from a simple point-to-point through to a full distributed system. Understanding how the connections work separately to send the signal from one location to another. Then we overlay the Atlona product lines and how we solve these issues with Atlona.
- 

Design and Implementation
With the understanding of the industry and the basics of our Atlona product families, you are now ready to learn how to put it together in both simple and complex designs. This level helps you understand the design elements for AV and how Atlona has created products to solve challenges in the AV industry. Plus we add in the general understanding needed to set up and configure the products.
- 

Programming
Our Velocity control system allows you to use a plug-and-play template to create a control system with our Atlona products and many third-party products. At this level, we take it a step further and help you understand our custom graphical user interface and custom drivers for deeper control.
- 

Installation
Installers need to be able to read the design schematics, understand the solutions to be able to articulate them to the user when getting sign-off, configure and deploy the solution, and train and maintain the documentation. Technicians are the front line, so we help them understand the gotchas that can eat up time on site, and what Atlona considers best practices for solid installations.

Panduit + Atlona: The Leader in AV Solutions

new products brochure

Atlona, a Panduit company, is a leading manufacturer of AV distribution, AV over IP, collaboration, and control solutions. From home offices to Fortune 500 boardrooms, and from auditoriums to stadiums, Atlona products are relied upon by a diverse customer base for their AV needs. We work hard to ensure even the most cutting-edge technology is as easy to use as it is to integrate.

Atlona follows strict quality assurance standards that are applied throughout the entire organization. Ensuring that we are delivering the highest quality solutions possible, and that we are improving upon them continuously—is the responsibility of every employee.

In November 2021, Atlona's headquarters in San Jose, California received ISO 9001:2015 certification. This achievement underlines the company's dedication to the ongoing delivery of technological excellence.

OUR VISION

Improving Technology for the Sharing of Ideas

OUR MISSION

We prioritize quality, user experience, simplicity, and management in every product we develop.

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