

# New Products Brochure

## Innovative AV Technology Solutions

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



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## Velocity – AV control, scheduling, configuration, and remote access

AN INNOVATIVE IP-BASED CONTROL SYSTEM that 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, centralized configuration of AV devices, and remote management from the cloud. **Page: 6**



## OmniStream – Uncompromised AV over IP performance and reliability

DELIVERS HIGH PERFORMANCE, DEPENDABLE 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 capabilities optimized for light commercial AV distribution. **Page: 8**



## WAVE – Wireless Audio Visual Environment for collaboration

A UNIVERSAL WIRELESS BYOD SYSTEM 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 video conferencing applications. **Switchers:** Compact matrix switchers designed specifically for 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: 12**



## Captivate™ - High performance videoconferencing solutions

A SERIES OF AUDIO VIDEO SOLUTIONS developed specifically for unified communications (UC) applications. The auto-framing camera and USB / Bluetooth® speakerphone work in unison to optimize soft codec videoconferencing experiences. **Page: 18**



# Application: Huddle Space Videoconferencing

Many workers have become accustomed to hosting videoconferencing sessions on their laptop. At the office, they may be required to host these sessions in a conference space and include in-person attendees. In these instances, it is important to have the right AV equipment, so all participants are seen and heard clearly.

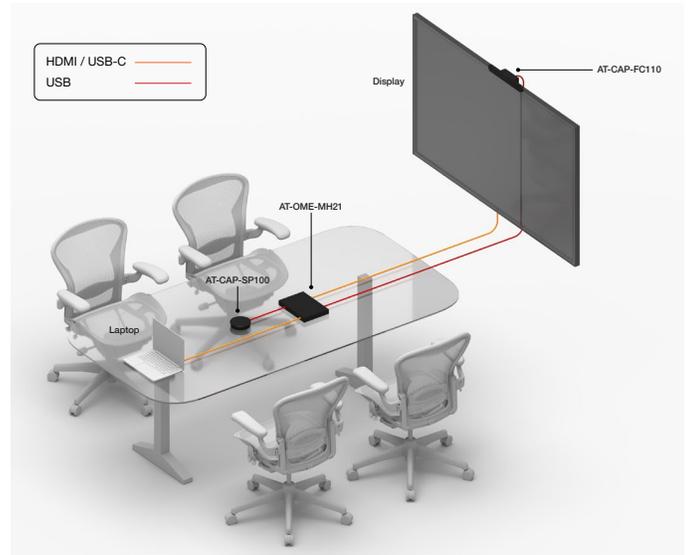
Atlona offers critical components that help improve the soft codec videoconferencing experience. The **AT-OME-MH21** is versatile USB-C and HDMI switcher equipped with a USB 3.0 hub for video conferencing peripherals. Our new Captivate™ Series of audio and video solutions for unified communications (UC) 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 abilities of laptops.

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

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



## Featured Products



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

**AT-OME-MH21**, see page 13



Captivate 4K ePTZ Auto-Framing Camera

**AT-CAP-FC110**, see page 18



Captivate USB / Bluetooth Speakerphone

**AT-CAP-SP100**, see page 18

**NEW**

**NEW**

# Application: Meeting Room Automation

As businesses return to the office, there is an emphasis on flexibility and simplicity when it comes to meeting room AV equipment. Making the room technology fast to start-up and easy-to-use is the key to keeping participants efficient no matter where they are located.

Meeting spaces need to support in-person presentations and remote videoconferences as well as hybrid collaboration that includes both. Automating start-up of AV equipment with components that include the following capabilities help these meetings run smoother.

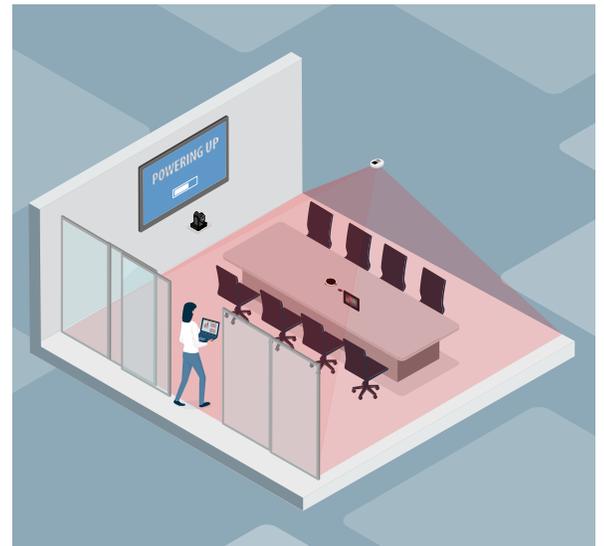
**OCCUPANCY DETECTION** – Use presence of individuals in the room as guiding factor for the state of the AV technology.

**AUTOMATIC DISPLAY CONTROL** – Turn the display on or off based on status of an occupancy sensor.

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

**MULTI-FUNCTION SENSOR** – Capture temperature and ambient light levels in addition to occupancy and pass that information to Atlona products and third-party systems to control room elements.

For example, the **AT-OCS-900N** occupancy sensor can detect activity in a room and communicate that information over the network to the **AT-WAVE-101** which instructs the display to turn on. The user then connects wirelessly to the WAVE-101 to mirror their content on the display. When participants leave the space, the occupancy sensor detects vacancy and works with the WAVE-101 to shut-down the AV system. The OCS-900N can also use the network to share occupancy, temperature, and light level information with **Velocity™** to control more complex AV systems as well as screens, shades, and lighting.



## Featured Products



### Network-Enabled Occupancy Sensor

**AT-OCS-900N**, see page 22



### Wireless Presentation Platform

**AT-WAVE-101**, see page 10



### IP-based AV Control Platform

**Velocity**, see page 6

# Application: Atlona Room Kits

An end-user is interested in outfitting their 10-person conference room with AV presentation and video conferencing capabilities. Being a straightforward project, the integrator is interested to know if a bundled solution would maximize the efficiency of their administrative, installation, and limited design resources.

**Atlona Room Kits** answer these questions by providing complete system solutions that offer the following benefits:

**SINGLE SKU** – Ordering a complete system from one vendor reduces paperwork, complexity, and time.

**PRE-CONFIGURED** – Systems are designed, assembled, and tested prior to shipment, arriving 80% complete.

**FAST INSTALLATION** – Exclusive wall-mounted rack is ready-to-hang with equipment and cabling pre-installed. It dramatically reduces installation time, and discreetly hides behind the display.

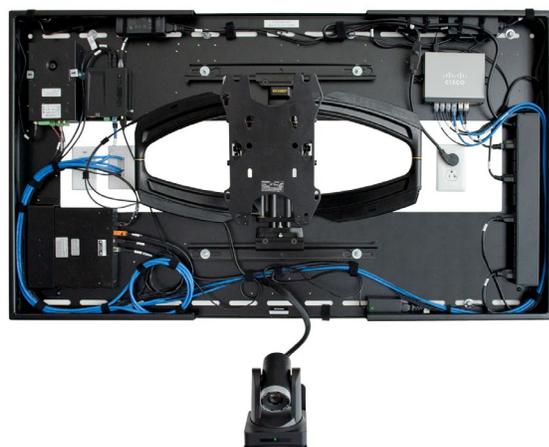
**REPEATABLE** – Allows more rooms to be installed faster and more reliably, provides consistent user experience, and simplifies helpdesk support.

**AT-ARK-MC-104-KIT** is an ideal Atlona Room Kit solution for this medium conference room application. It provides routing of HDMI video and USB data for multiple devices such as laptop computers or room PC's and includes a PTZ camera and touch panel control. It also features a table array microphone, DSP, amplifier, and ceiling speakers for audio performance consistent with the space. The only component that needs to be added is the display which is purchased separately.



View behind display of wall-mounted rack with AV components installed

## Featured Products



Final medium conference room installation

## Complete AV Systems for Meeting Spaces

**ATLONA ROOM KITS**, see page 16

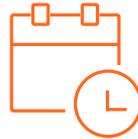
# AV control, scheduling, configuration, and remote access

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



### ASSET MANAGEMENT

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



NEW

### 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-1000-BL • AT-VTP-1000-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.



# 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

 <p><b>4K HDR</b></p> <p>Supports HDR formats including Dolby® Vision™, HDR10, and HLG</p>	 <p><b>1 GB Ethernet</b></p> <p>Works over new or legacy network infrastructure</p>	 <p><b>Plug and Play</b></p> <p>Ready to go with popular network switches from Cisco®, NETGEAR®, and many others</p>
 <p><b>Secure</b></p> <p>Supports IEEE 802.1x, HDCP 2.2, AES-128, and other security protocols</p>	 <p><b>Video Walls</b></p> <p>Simple, effortless setup and configuration for video walls (landscape or portrait screens)</p>	 <p><b>POE</b></p> <p>Power all encoders and decoders from a network switch with standard PoE</p>
 <p><b>AV Switching</b></p> <p>Virtual auto-switching with grouped or daisy-chained encoders</p>	 <p><b>Fast Switching</b></p> <p>Deliver ultra-fast, &lt;10 ms AV switching (1080p or WUXGA output)</p>	 <p><b>Ultra-Low Latency</b></p> <p>Less than 1 frame latency from encode to decode</p>



## Pro Single-Channel Networked AV Encoder

### AT-OMNI-111

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



## Pro Dual-Channel Networked AV Encoder

### AT-OMNI-112

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



## Pro Single-Channel Networked AV Decoder

### AT-OMNI-121

4K/UHD plus HDR formats  
Optimized for graphics and fast-motion video  
Ultra-low latency  
Video wall processing  
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/UHD plus HDR formats  
Optimized for fast-motion video  
Ultra-low latency  
Local/PoE-powered



## R-Type Single-Channel Networked AV Decoder

### AT-OMNI-521

4K/UHD plus HDR formats  
Optimized for fast-motion video  
Ultra-low latency  
Video wall processing  
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



## 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

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.

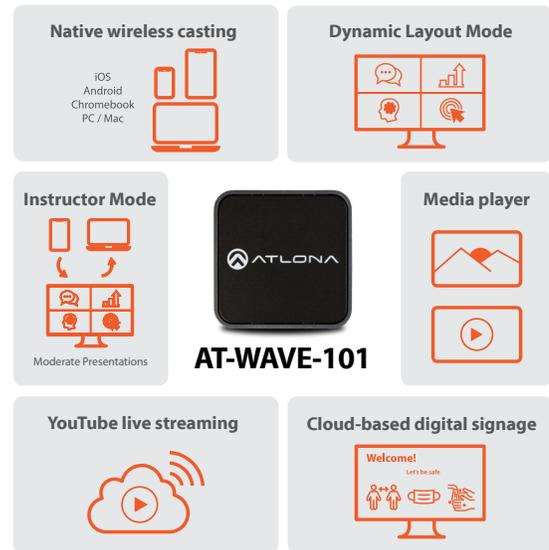
WAVE™

## 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, support for cloud-based digital signage applications, 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 AMS (Atlona Management System™)

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)

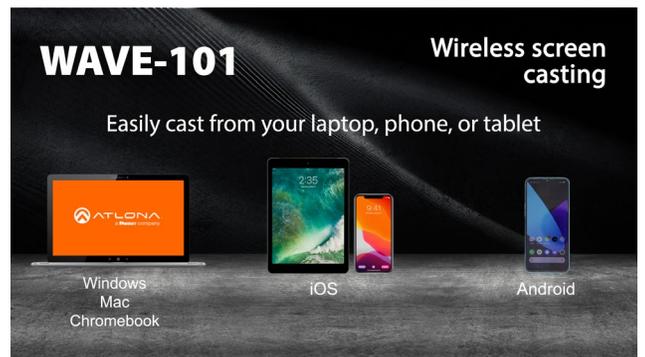
For hands-free, effortless user operation, Dynamic Layout Mode™ is an innovative feature of the WAVE-101 that automatically adapts the on-screen layout to incoming or disconnected source content, to optimize the way the content is presented on the screen.

### 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.



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.

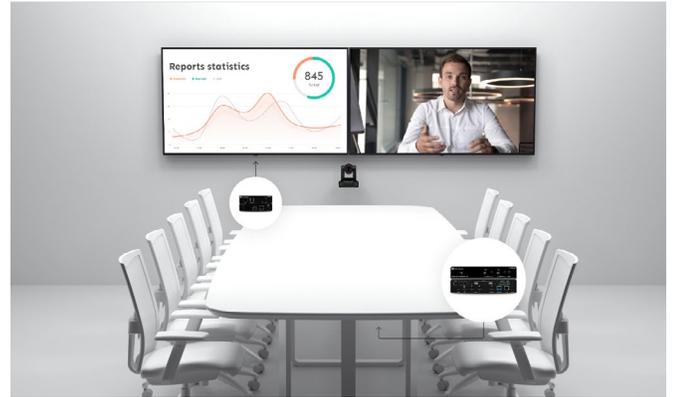


# Redefining AV for presentation and collaboration

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 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®.



## 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 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



### 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

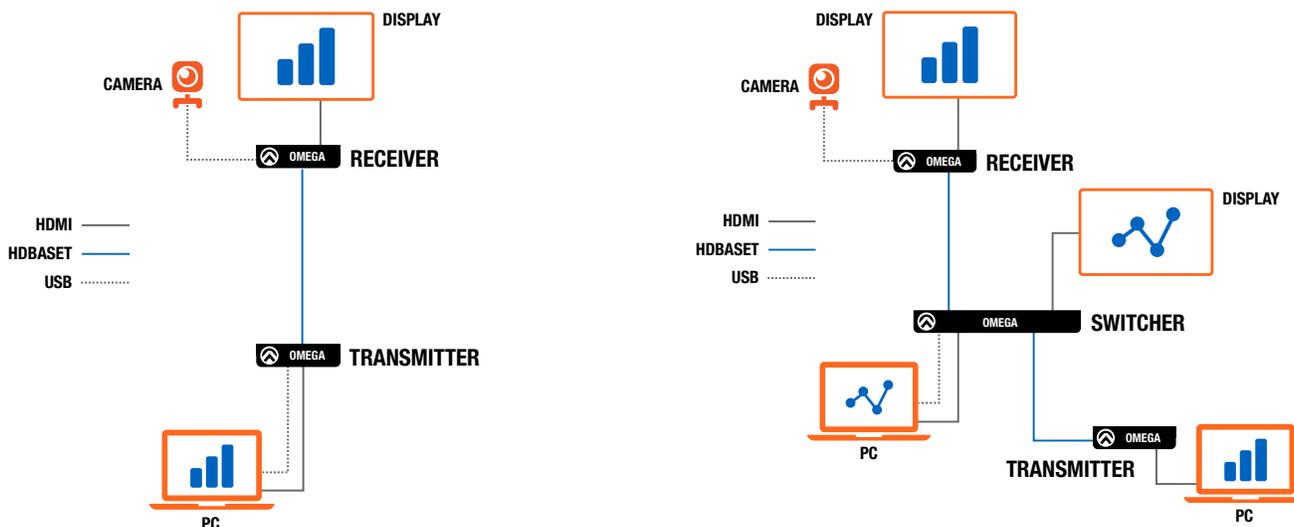
### AT-OME-EX-KIT-LT

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

## Omega System Components

The Omega Series is a family of essential AV system components designed for simple plug-and-play operation to deliver a presentation, video conferencing session, and collaborate with team members.

An Omega 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.



## Omega Room Builder

Omega Room Builder ([builder.atlona.com](http://builder.atlona.com)) is an online resource to help you select Omega Series AV switchers and extenders for your AV integration project or system design.

With the Omega Room Builder, you can easily specify an AV presentation or collaboration system, with the opportunity to contact us for further information or design assistance.

Large Meeting Room (8-12+ seats) ▾

BUILD YOUR ROOM

# of sources  
4 5 6

AV Input locations  
Table Table + Wall

Displays  
1 2

PC installed in room?  
No Yes (table) Yes (display)

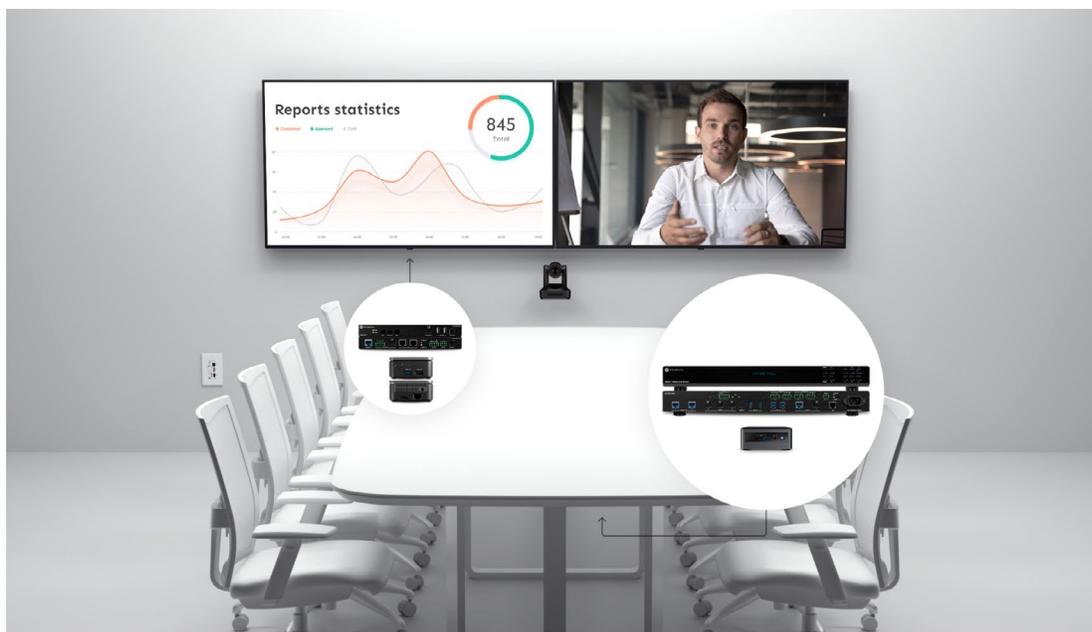
OPTIONS

- Need USB to connect camera, mic, touch display, etc.?
- Wireless AV casting?
- Need video conferencing camera?

Reset ↺

Submit

← Return to home



# 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

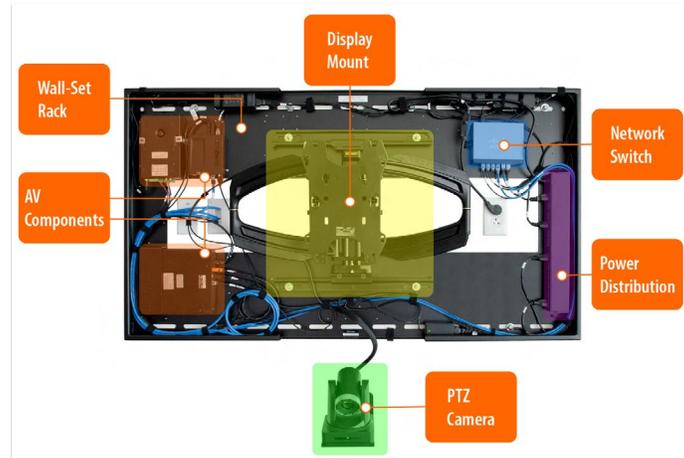
### REPEATABLE



- 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

NEW

### AT-ARK-HR-104-KIT

Designed for huddle rooms that host up to 4 people  
Provides routing of HDMI video and USB data for a single device  
Includes a speakerphone, PTZ camera, and touch panel control  
55" display recommended and is purchased separately



## Small Conference Room Kit

NEW

### 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

NEW

### 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, table array microphone, DSP, amplifier, and ceiling speakers  
75" display recommended and is purchased separately



## Training Room Kit

NEW

### 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 array 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 video solutions developed specifically for unified communications (UC) applications. They work in unison to optimize soft codec videoconferencing 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

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™ 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.



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 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 230 ft. (70 m)  
4K/60 4:4:4  
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

### 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

### 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

## Panduit Connectivity & Routing Products

**Panduit Connectivity & Routing** products provide a professional finishing touch for any installation. The collection of above floor raceway, coupler modules, 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 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 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.



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.

# Accessories

## 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.

**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 **Etude™ Sync (AT-ETU-SYNC)** provides EDID emulation and Hot Plug Detect communication between HDMI® devices to correct signal integrity issues associated with cabling, connections, or compatibility. The Pocket 3H (**AT-PKT-3H**) and **LinkConnect™** cables provide convenient cable connectivity, access, and management for BYOD environments.



### Network-Enabled Occupancy Sensor

**NEW**

#### 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



### EDID Emulator for 4K HDR 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



### 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

# 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.



# Atlona Contact Information

## Atlona Global Headquarters

Atlona Incorporated  
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San Jose, CA 95134 United States  
Office: +1 (408) 962-0515 (US/International)

### Sales and Customer Service Hours

Monday – Friday: 6:00 a.m. – 4:30 p.m. (PST)

### Tech Support Hours – U.S. and Canada

Monday – Friday: 5:00 a.m. – 5:00 p.m. (PST)

Saturday – Sunday: 7:00 a.m. – 4:00 p.m. (PST)

## APAC Headquarters

Panduit Singapore Pte Ltd  
331 North Bridge Road  
#4-02 Singapore 188720

### For all Sales, Customer Service, and Tech Support inquiries:

Tel: +65 6305 7575

### Sales and Customer Service Hours

Monday – Friday 8:30am – 5:15pm (SGP)

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CS: [sgp-customer\\_service@panduit.com](mailto:sgp-customer_service@panduit.com)

### Tech Support Hours – Europe and Middle East

Monday – Friday 8:00am – 5:00pm (SGP)

[support@atlona.com](mailto:support@atlona.com)

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### Sales and Customer Service Hours

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### Tech Support Hours – Europe and Middle East

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