

# Key Products Brochure

## Technologies for Sharing Ideas

AV and Control for learning spaces and conference rooms, including signal distribution, AV over IP, remote AV management, and wireless collaboration.

# Table of Contents

Application: Classroom Presentation	3	Cameras and Speakerphone	13
Application: Conference Room	4	AVANCE™ 4K/UHD HDBaseT Extension Kits	14
OmniStream™ Networked AV Distribution Platform	5	HDR Series 4K HDR Distribution Solutions	15
Velocity™ IP-Based AV Control Platform	7	Accessories and Cables	17
Omega™ 4K, HDMI®, DisplayPort™, & USB-C® Conferencing Products	9	Atlona Academy Training	18
WAVE™ Wireless Presentation System	12	Contact Information	19

## AV and Control for learning spaces and conference rooms

Atlona is redefining the future of educational and commercial environments by providing reliable, user-friendly, and innovative audiovisual solutions.

**Learning spaces**, like classrooms or corporate training rooms, are where knowledge is shared. Atlona makes AV signal distribution products to help transfer ideas and skills easily. For example, our new **Omega AT-OME-CS31-SA** series (page 9) offers AV switching, audio routing, USB management, and amplification in one device that fits behind a display. The new **Velocity AT-VKP-8E Keypad Controller** (page 8) puts a lot of power in a demure e-paper button panel to simplify classroom control. Atlona makes learning spaces work better without unnecessary complexity.

Today's **conference room** is the hub for strategizing; bringing minds together locally and globally. Whether it's a small huddle room with BYOD requirements or a versatile space in need of network-based AV distribution, Atlona has solutions for all scenarios. New for 2024 is the **Omega AT-OME-MS42-HDBT** (page 10) that takes our popular 4x2 matrix switcher for collaboration and adds an HDBaseT input for remote input options. Sometimes big ideas arrive in small packages. The new 1-gang **AT-OME-TX-11-WP** (page 11) answers a lot of requests for a straightforward HDMI wallplate transmitter.

Atlona offers reliable, user-friendly, and innovative audiovisual solutions that enhance learning spaces and conference rooms, making knowledge transfer seamless and efficient. Explore our catalog and discover how we can elevate your AV experiences to new heights.

Atlona is technology for sharing ideas.



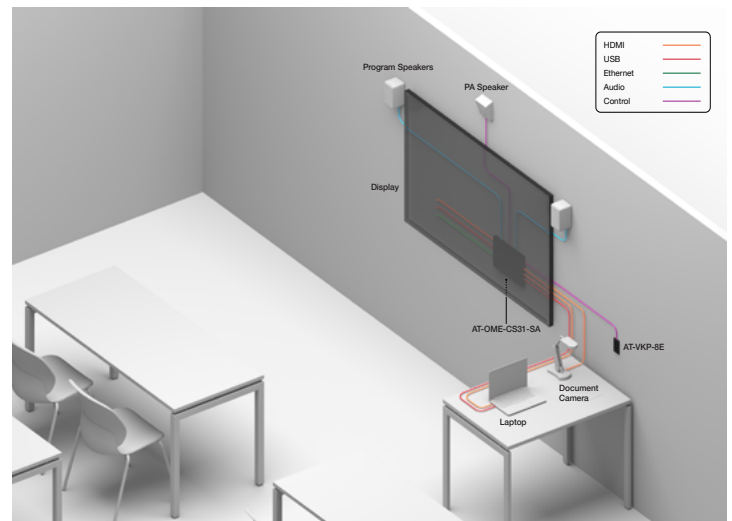
Coming Soon

# Application: Classroom Presentation

Standard classrooms are where the majority of K-12 and higher education students receive the bulk of their instruction. Modern spaces include audiovisual components for sharing content from a variety of sources to support the lesson. In addition, it is critical that these rooms are easy to use, allowing teachers to concentrate on instruction instead of operating the AV system.

The Atlona **AT-OME-CS31-SA** is a key component for enhancing the presentation and collaboration capabilities of today's classrooms. A 3x1 HDMI® switcher supports common inputs such as laptops, computers, and document cameras with outputs for a projector or display. For audio, the OME-CS31-SA can mix three line inputs, de-embedded HDMI, and USB audio into its 50-watt amplifier and line level outputs. The USB 3.0 hub integrates two host computers with up to four peripherals such as cameras, speakerphones, or an interactive display. Additional features include ducking that automatically lowers program audio when the teacher speaks into their microphone and PA sense to mute audio when a school announcement is detected.

When it comes to controlling the AV system, institutions can choose a method that best suits their requirements. The OME-CS31-SA includes automatic display control and auto-switching that allows the system to be turned-on or an input selected by simply connecting a source. Our new **AT-VKP-8E** keypad control system allows users to operate the system with the touch of a button. The **AT-OCS-900N** sensor automates system operation based on room occupancy.



## Featured Products



HDMI Switcher, Mixer Amplifier, and USB Hub

**AT-OME-CS31-SA**, see page 9



Keypad Controller

**AT-VKP-8E • AT-VKP-8E-EU**, see page 8



Network-Enabled Occupancy Sensor

**AT-OCS-900N**, see page 17

# Application: Conference Room

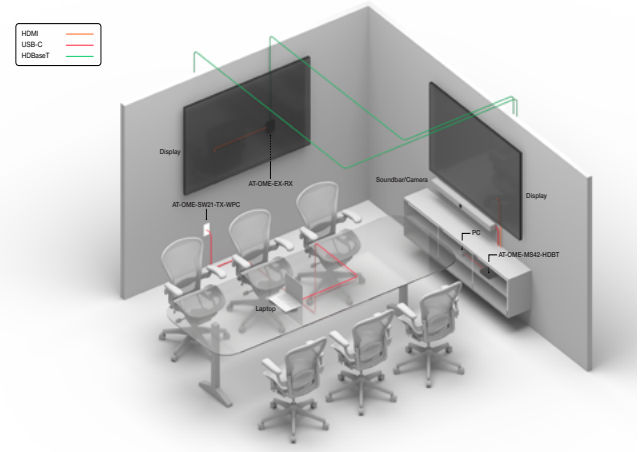
Modern conference rooms are equipped for a variety of presentation and meeting applications. They often feature two displays for flexibility in sharing content, as well as communicating with remote participants. Also important is ensuring access for presenters to connect their laptops.



Atlona offers the essential components necessary to outfit a dedicated space for video conferencing, collaborative sessions, hybrid team meetings, and more. The **AT-OME-MS42** matrix switcher easily allows integration of BYOD and in-room AV sources, and provides HDMI and HDBaseT outputs to serve two displays in separate locations.

The **AT-OME-MS42-HDBT** features an HDBaseT input, making it ideal for discreet installation in a credenza with a resident PC for Microsoft Teams Rooms or Zoom Rooms, plus localized presenter AV access at the meeting table or on a wall with the **AT-OME-EX-TX** or **AT-OME-SW21-TX-WPC** transmitter, respectively.

With either OME-MS42 model, the USB-C input allows a single-cable connection to a presenter's laptop for AV, access to the room's camera and audio, and charging. Pair the OME-MS42 with a conferencing soundbar, or the **AT-HDVS-CAM** PTZ camera and **AT-CAP-SP100** speakerphone for a high-quality video conferencing experience to remote participants.



## Featured Products



4x2 Matrix Switcher with USB and HDBaseT Input **Coming Soon**

**AT-OME-MS42-HDBT**, see page 10



Wallplate Transmitter for HDMI and USB-C with USB Hub

**AT-OME-SW21-TX-WPC**, see page 10



PTZ Camera with USB

**AT-HDVS-CAM**, see page 13



## 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

OmniStream 2.0 brings advanced features and performance capabilities to OmniStream AV encoders and decoders. It is available in new OmniStream products, and as a no-cost firmware update for legacy installations.

- 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

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

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.



## 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

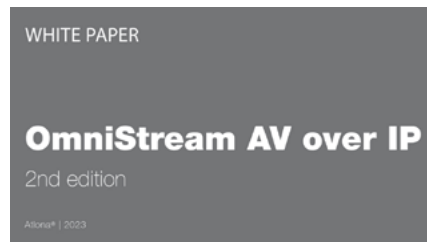
### AT-OMNI-324

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 Application Guide

This brochure explores several application possibilities with OmniStream networked AV systems.



## OmniStream White Paper

An introduction to OmniStream AV over IP, focusing on its powerful technology and integration features.



OmniStream™  
Certified Switches

## OmniStream Certified Switches

A reference guide to setting up third-party network switches certified by Atлона for OmniStream systems.



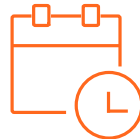
## AV control, scheduling, configuration, and remote access

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 quickly as well as 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.



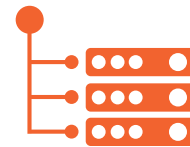
### QR BYOD OR TOUCH PANEL

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 quickly 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



### ROOM SUPPORT

Integrated help desk capabilities allow users to request assistance directly from a touch panel

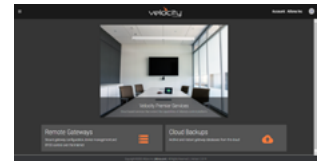


### SYSTEM REDUNDANCY

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

## Velocity Control Systems

Traditional Velocity control systems include a hardware or software gateway which provides IP based AV control, scheduling, and device management for multiple rooms. Touch panels allow users to interact with and control the AV system as well as provide status information. Command controllers offer a bridge for interfacing with legacy devices over RS-232, IR, or relay.



### Hardware Gateways

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

Server appliance for AV system control, room scheduling, and device management

Supports hundreds of IP connections\* to switchers, encoders/decoders, displays, DSPs, and other AV devices

Three versions available for AV 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

AV system control, scheduling, and device management software hosted on IT server infrastructure

Supports hundreds of IP connections\* to switchers, encoders/decoders, displays, DSPs, and other AV devices

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

### 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

Supports BYOD control over the device's internet connection

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



### 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



### 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

## Stand Alone Control Systems

For smaller scale applications that do not require multiple rooms of AV control, we offer self-contained Velocity controllers in both touch panel and keypad configurations.



### All-in-one Touch Panel Control

#### AT-VTPG-1000VL-BL • AT-VTPG-1000VL-WH

10" capacitive touch screen, 1280 x 800 resolution  
Integrated Velocity gateway, supports one room (up to 24 devices) of control and two scheduling panels  
Glass and universal one-gang wall mount included  
Surround bezel LED lighting



### Keypad Controller

#### AT-VKP-8E • AT-VKP-8E-EU

8 buttons for controlling one room of up to 10 devices  
2.7" e-paper display for custom button text and icons  
RS-232 port for controlling legacy devices  
Intuitive online configuration with **Atlona Cloud**  
Available in both one-gang US and EU/UK versions  
Black and white faceplates included



### Online Keypad Configuration

#### Atlona Cloud

Cloud-based configuration platform for the **VKP-8E** keypad  
Access from any web browser connected to the internet  
Use pre-configured switcher templates or start from scratch  
File management system for organizing and sharing projects



# OMEGA™

## 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, gathering, and instructional 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. Omega products are also ideal for classrooms, lecture halls, and student collaboration. 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, hybrid meetings, and HyFlex learning applications.

### 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, educational institution, or enterprise

**AT-OME-CS31** products are some of the newest in the Omega Series. Combining AV switching, audio mixing and amplification, with USB routing, makes them comprehensive presentation and collaboration platforms for typical classroom and meeting room environments. Auto-switching and automatic display control provide built-in automation, or they can be used with occupancy sensor, keypad, or touch panel control systems. Two unique capabilities are geared specifically toward classroom installations. Audio ducking lowers the level of program audio when a teacher microphone is in use. PA sense mutes in-room audio when the public address system is active so announcements can be heard clearly.



### HDMI Switcher, Mixer Amplifier, and USB Hub

NEW

#### AT-OME-CS31-SA

- 3 HDMI inputs, 1 HDMI output
- USB 3.0 hub with 2 type B host ports and 4 type A peripheral ports
- 2 x 25 watts @ 4/8 ohms amplifier
- Mix 3 line inputs, dembedded HDMI, and USB audio
- Automatic display control via CEC, IP, or RS-232
- Audio ducking and PA sense muting



### HDMI/HDBaseT Switcher, Mixer Amplifier, and USB Hub

NEW

#### AT-OME-CS31-SA-HDBT

- 1 HDBaseT and 2 HDMI inputs, 1 HDMI output
- USB 3.0 hub with 1 type B host port and 4 type A peripheral ports
- 2 x 25 watts @ 4/8 ohms amplifier
- Mix 3 line inputs, dembedded HDMI, and USB audio
- Automatic display control via CEC, IP, or RS-232
- Audio ducking and PA sense muting

## 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



### 4x2 Matrix Switcher with USB and HDBaseT Input **Coming Soon**

#### AT-OME-MS42-HDBT

HDMI, USB-C, and HDBaseT 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

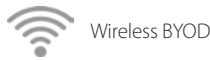


### 6x2 Matrix Presentation Switcher with USB

#### 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  
 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-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  
 Also available: **AT-OME-MH21** (no USB-C charging)

## 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

#### AT-OME-TX11-WP

Transmitter for HDMI and power  
 US one-gang enclosure  
 Interchangeable black or white trim kits  
 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



### 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 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  
 Also available: **AT-OME-EX-WP-KIT**

## EXTENDER KIT



### HDBaseT Extender for HDMI with USB

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

Extender kit for HDMI, power, control, and USB  
 Extends 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  
 Also available: **AT-OME-EX-KIT**

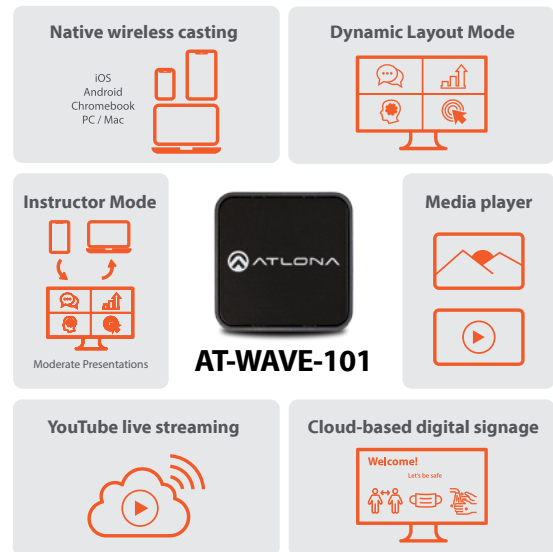

**WAVE™**

## 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



# 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

# AVANCE™

## 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® switchers and matrix switchers, the **AT-HDR-SW** 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-SW series are ideal for a wide array of video switching and distribution applications in meeting spaces, classrooms, hospitality and retail, commercial reception areas, and more.

Atlona also offers a variety of 4K HDR distribution amplifiers, matrix switchers, extenders, and other tools, all designed to deliver pristine-quality video in a wide range of commercial applications.



### 4K HDR Five-Input HDMI Switcher

#### AT-HDR-SW-51

- Five HDMI inputs
- Supports HDR10, HLG, and Dolby® Vision™
- Selectable 4K to 1080p downscaling
- Automatic input selection
- Audio de-embedding

NEW



### 4K HDR 5x2 HDMI Matrix Switcher

#### AT-HDR-SW-52

- Five HDMI inputs, two HDMI outputs
- Supports HDR10, HLG, and Dolby® Vision™
- Selectable 4K to 1080p downscaling
- Automatic input selection
- Audio de-embedding

NEW



### 4K HDR 5x2 HDMI and HDBaseT Matrix Switcher

#### AT-HDR-SW-52ED

- Five HDMI inputs, HDMI and HDBaseT outputs
- Supports HDR10, HLG, and Dolby® Vision™
- Extend 4K/60 4:4:4 up to 330' (100 m)
- Selectable 4K to 1080p downscaling
- Automatic input selection and automatic display control
- Audio de-embedding

NEW



### 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 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

|



### 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



## 4x1 HDMI Switcher

### AT-JUNO-451

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



## 4x4 and 8x8 HDMI to HDMI Matrix Switchers

### AT-HDR-H2H-44MA • AT-HDR-H2H-88MA

4K/60 4:4:4  
Compatible with HDR10, Dolby Vision, and HLG  
HDCP 2.2 compliant  
Independent CEC display control to each output  
HDMI audio de-embedding for each output



## Two, Four, and Eight-Output HDMI Distribution Amplifiers

### AT-RON-442 • AT-RON-444 • AT-RON-448

4K/60 4:4:4  
Compatible with HDR10, Dolby Vision, and HLG  
HDCP 2.2 compliant  
EDID management  
Supports cascading up to eight units



## 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  
4K/60 4:4:4  
Compatible with HDR10 and Dolby Vision  
HDCP 2.2 compliant  
HDBaseT link status testing



## 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' (100 m)  
4K/60 4:4:4  
Compatible with HDR10 and Dolby Vision  
HDCP 2.2 compliant  
RX to TX audio return via optical pathway  
HDBaseT link status testing



## 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



## 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-CATs  
Compact enclosure can be mounted behind a display or above a projector



## 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 and HDR-SW-52ED  
Remotely powered by HDR-CAT-4ED and HDR-SW-52ED  
Compact enclosure can be mounted behind a display or above a projector



## 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 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 a remote USB camera, microphone, or soundbar 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 for use in AV automation

IP-enabled for communicating state over Ethernet

Works with WAVE™, Velocity™, and Omega™ products

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 ports



### 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

USB-C to USB-C active cable - 5 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

key products

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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