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: 5

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: 7

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: 9

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: 11

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: 15

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

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**Featured Products**

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

AT-OME-MH21, see page 12

Captivate 4K ePTZ Auto-Framing Camera

AT-CAP-FC110, see page 15

Captivate USB / Bluetooth Speakerphone

AT-CAP-SP100, see page 15

Visit atlona.com for more complete product information, including datasheets and specifications.
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 18

- **Wireless Presentation Platform**
  - **AT-WAVE-101**, see page 9

- **IP-based AV Control Platform**
  - **Velocity**, see page 5

Visit [atlonacom](http://atlonacom) for more complete product information, including datasheets and specifications.
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.

- **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.
- **CUSTOMIZABLE GUI**: Redesigned tool makes it easier than ever to create elegant user interfaces.
- **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.
- **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.
- **REMOTE GATEWAY**: Optional Velocity Premier Service for configuration, management, and control over the Internet.

Visit [atlona.com](http://atlona.com) for more complete product information, including datasheets and specifications.
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-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
- AT-VCC-RELAY-KIT
- AT-VCC-RS232-KIT

IP to IR Command Converter with Three Emitters
IP to Relay / Sensor Signal Converter
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

<table>
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<tr>
<th><strong>4K HDR</strong></th>
<th><strong>1 GB Ethernet</strong></th>
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<td>4K HDR</td>
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<tr>
<td>Supports HDR formats including Dolby® Vision™, HDR10, and HLG</td>
<td>Works over new or legacy network infrastructure</td>
<td>Ready to go with popular network switches from Cisco®, NETGEAR®, and many others</td>
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<tr>
<td>Supports IEEE 802.1x, HDCP 2.2, AES-128, and other security protocols</td>
<td>Simple, effortless setup and configuration for video walls (landscape or portrait screens)</td>
<td>Power all encoders and decoders from a network switch with standard PoE</td>
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<tr>
<td>AV Switching</td>
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<tr>
<td>Virtual auto-switching with grouped or daisy-chained encoders</td>
<td>Deliver ultra-fast, &lt;10 ms AV switching (1080p or WUXGA output)</td>
<td>Less than 1 frame latency from encode to decode</td>
</tr>
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Visit [atlona.com](http://atlona.com) for more complete product information, including datasheets and specifications.
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.
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.

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

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**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

**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

**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)

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Visit [atlona.com](http://atlona.com) for more complete product information, including datasheets and specifications.
new products brochure

Omega Series

### 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

**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 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**
- Transmitter for HDMI, power, control, and USB
- One-gang enclosure
- Interchangeable black or white trim kits
- USB 2.0 extension up to 330 ft (100 m)
- Remote powering

### 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

Learn more at: [atlona.com/omega](http://atlona.com/omega)
**Omega Series**

**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

**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

**HDBaseT Receiver for HDMI with Audio**

**AT-OME-RX11**
- Receiver for HDMI, Ethernet, power, and control
- Remotely powers HDBaseT transmitter
- Audio de-embedding

**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

**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

**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

**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

**HDBaseT Receiver for HDMI with Audio**

**AT-OME-RX11**
- Receiver for HDMI, Ethernet, power, and control
- Remotely powers HDBaseT transmitter
- Audio de-embedding

**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

**Wallplate HDBaseT Extender for HDMI with USB**

**AT-OME-EX-WP-KIT**
- 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

Visit [atlonacom](http://atlonacom) for more complete product information, including datasheets and specifications.

Learn more at [atlonacom/omega](http://atlonacom/omega)
Omega Series

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) 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.

Learn more at: atlona.com/omega
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-focused, 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

Learn more at atlona.com/avance
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.

Atlon 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

### 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

### 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

Visit atlonacom for more complete product information, including data sheets and specifications.
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
**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 ports
- 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

Learn more at [atlona.com/accessories](http://atlona.com/accessories)
Panduit + Atlona: The Leader in AV Solutions

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