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.

INNOVATING AV
SINCE 2003

ATLONA.
a Panduit company
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Atlona: Innovating AV Since 2003

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

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

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

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

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

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

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

Visit atlona.com for more complete product information, including datasheets and specifications.
Application: Hybrid Meeting Room

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

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

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

- **CONFERENCING-GRADE AV** – The Captivate Series camera and speakerphone provide video capture and audio performance far superior to the native capabilities of laptops.
- **USB-C SUPPORT** – A single connection between the user’s laptop and the system provides access to the display, camera, and speakerphone, plus charging.
- **AUTOMATIC DISPLAY CONTROL** – Turns the display on when a laptop is connected, and powers the display off when it is disconnected.

### Featured Products

- **2x1 Switcher for HDMI and USB-C with USB Hub and Device Charging**
  - AT-OME-MH21-CP, see page 11

- **Captivate 4K ePTZ Auto-Framing Camera**
  - AT-CAP-FC110, see page 17

- **Captivate USB / Bluetooth Speakerphone**
  - AT-CAP-SP100, see page 17
Application: Velocity Remote Access

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

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

- **REMOTE ACCESS** – Configure Velocity systems and manage devices over the internet, reducing costs associated with on-site visits and truck rolls as well as increasing responsiveness for support issues.
- **ONLINE DASHBOARD** – The intuitive online dashboard provides centralized access for managing multiple gateways.
- **CLOUD BACKUPS** – Store the latest configurations in the cloud as a backup if something happens to the onsite equipment.
- **BYOD AV CONTROL** – Users can scan a Velocity room control QR code and control the AV system over their devices internet connection, simplifying connectivity for those without access to the local AV network.

**Featured Products**

- **Remote Management for Velocity Gateways**
  AT-VPS-RG, see page 9

- **Velocity Hardware and Software Gateways**
  AT-VGW, see page 9

- **Velocity Touch Panels for AV Control and Room Scheduling**
  AT-VTP, see page 9

Visit ation.com for more complete product information, including datasheets and specifications.
Application: Presentation Overflow

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

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

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

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

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

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

Featured Products

**Single-Channel Networked AV Encoder**

AT-OMNI-111, see page 7

**Wallplate Networked AV Encoder**

AT-OMNI-111-WP, see page 7

**Single-Channel Networked AV Decoder**

AT-OMNI-121, see page 7

Visit atlona.com for more complete product information, including datasheets and specifications.
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 is a major firmware update that brings all-new features and performance capabilities to OmniStream AV encoders and decoders. OmniStream 2.0 dramatically broadens integration opportunities for new customers, and offers enhanced functionality for existing installations.

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

Learn more at: atlona.com/omnistream
OmniStream

**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
- 4K/60 4:2:0 plus HDR formats
- Optimized for graphics and fast-motion video
- Ultra-low latency
- Network security including IEEE 802.1x
- PoE-powered

**Dual-Channel Networked AV Encoder**
**AT-OMNI-112**
- Dual HDMI inputs with auto-switching
- 4K/60 4:4:4 plus HDR formats
- Optimized for graphics and fast-motion video
- Ultra-low latency
- Network security including IEEE 802.1x
- Local/PoE-powered

**Single-Channel Networked AV Decoder**
**AT-OMNI-121**
- 4K/60 4:4:4 plus HDR formats
- Optimized for graphics and fast-motion video
- Ultra-low latency
- Video wall processing
- Multiview processing
- Network security including IEEE 802.1x
- Audio embedding/de-embedding
- Local/PoE-powered

**USB over IP System**
**AT-OMNI-311**
- Host side USB to IP adapter
- USB host connection for PC
- Compatible with USB 2.0 data rates up to 480 Mbps
- Pair with up to seven OMNI-324 units
- Ideal for USB routing or point-to-point extension

**USB over IP System**
**AT-OMNI-324**
- Device side IP to USB adapter
- Four-port USB hub
- Supports high bandwidth devices such as cameras
- Compatible with USB 2.0 data rates up to 480 Mbps
- Pair up to seven units with an OMNI-311
- Ideal for USB routing or point-to-point extension

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

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

**QR BYOD OR TOUCH PANEL**
AV control with touch panels or scan the QR code and use your BYOD device

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

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

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

**FAST CONFIGURATION**
Configure control systems in minutes with intuitive navigation and menus

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

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

**ENHANCE COLLABORATION**
AV integration into Cisco® and Zoom meeting spaces with video conferencing

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

Learn more at [atlona.com/velocity](http://atlona.com/velocity)
Velocity

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

Hardware Gateways
AT-VGW-HW-3 • AT-VGW-HW-10 • AT-VGW-HW-20
Server appliance that supports hundreds of IP device* connections
Three versions available for control of up to 3, 10, or 20 rooms and scheduling up to 6, 20, or 40 rooms respectively

Software Gateway
AT-VGW-SW • AT-VRL-SW
Designed for hosting on standard IT server infrastructure with support for hundreds of IP device* connections
Provides AV control for up to 20 rooms and scheduling up to 40; add additional rooms with AT-VRL-SW licenses

All-in-one Control System
AT-VTPG-1000VL-BL • AT-VTPG-1000VL-WH
10” touch panel with contemporary styling and bezel lighting
Integrated Velocity gateway supports one room of control for up to 24 devices and two scheduling panels

Velocity Products

Premier Services - Remote Gateway
AT-VPS-RG-T1 • AT-VPS-RG-T2 • AT-VPS-RG-T3
Securely configure and manage gateways over the Internet
Automatically backup gateway databases to the cloud
Support QR code and BYOD control of AV systems over the users Internet connection instead of through the AV LAN
Multiple tiered levels of service available

10” Touch Panels
AT-VTP-1000VL-BL • AT-VTP-1000VL-WH
Designed for room scheduling and AV control
10” capacitive touch screen, 1280 x 800 resolution
Glass and universal one-gang wall mount included
Surround bezel LED lighting
Tabletop mounting available with optional AT-VTP-VTM

8” Scheduling Touch Panels
AT-VSP-800-BL • AT-VSP-800-WH
Designed for room scheduling and AV control
8” capacitive touch screen
1280 x 800 resolution
Bezel LED lighting
Black and white versions available

8” Touch Panels
AT-VTP-800-BL • AT-VTP-800-WH
Designed for AV control and room scheduling
8” capacitive touch screen
1280 x 800 resolution
Black and white versions available
Tabletop mounting available with optional AT-VTP-TMK

5.5” Touch Panels
AT-VTP-550-BL • AT-VTP-550-WH
Designed for AV control and room scheduling
5.5” capacitive touch screen
720 x 1280 resolution
Black and white versions available

Velocity Command Converters
AT-VCC-IR3-KIT
IP to IR Command Converter with Three Emitters
AT-VCC-RELAY-KIT
IP to Relay / Sensor Signal Converter
AT-VCC-RS232-KIT
IP to RS-232 Command Converter

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

Visit atlona.com for more complete product information, including datasheets and specifications.
Redefining AV for presentation and collaboration

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

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

The Omega Series lets you specify and deliver cost-friendly AV integration solutions for participants to bring in their devices for presenting or sharing content. Omega also makes it very easy to integrate AV systems for video conferencing and hybrid meetings.

**Key Features**

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

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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

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**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

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**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)

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Learn more at [atlon.com/omega](http://atlon.com/omega)
### Omega Series

#### SWITCHER

**2x1 Switcher for HDMI and USB-C with USB Hub**
- Model: 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

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

**3x2 Matrix Switcher for HDMI and USB-C**
- Model: 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**
- Model: 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

**Wallplate Switcher for HDMI and USB-C with USB Hub**
- Model: 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

**Wallplate Transmitter for USB-C**
- Model: 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 with USB**
- Model: 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

**HDBaseT Transmitter for HDMI with USB**
- Model: AT-OME-EX-TX
- Transmitter for HDMI, Ethernet, power, control, and USB
- USB 2.0 extension up to 330 ft (100 m)
- Remote powering

**Wallplate Transmitter for HDMI and USB-C**
- Model: 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

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

**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

Learn more at: atlonacom/omega
Effortless screen casting from any mobile device

The Atlona <strong>Wireless Audio Visual Environment (WAVE)</strong> is designed for easy content sharing from iOS®, Android™, Mac®, Chromebook™, or Windows® devices. The <strong>WAVE-101</strong> 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.

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**Wireless Presentation Platform**

**AT-WAVE-101**

- **ALLOWS SIMULTANEOUS CONTENT SHARING** for up to four presenters
- **INSTRUCTOR MODE** allows a user to manage content, upload and play media content, stream YouTube™, and switch between layouts
- **OPTIONAL WI-FI® ACCESS POINT** – with built-in firewall
- **SUPPORTS CLOUD-BASED** digital signage platforms
- **SUPPORTS YOUTUBE Live streaming**
- **DYNAMIC LAYOUT MODE** automatically adapts to incoming or disconnected source content (patent pending)
- **WIRELESS SCREEN CASTING** through native AirPlay®, Google Cast™, or Miracast™ protocols
- **SUPPORTS WIRELESS VIDEO** up to 1080p30 4:2:0 (up to 1080p60 with Miracast)
- **LOCAL STORAGE** available for playback of images and video
- **PROGRAMMABLE DISPLAY CONTROL** based on time schedules via IP, RS-232 (with optional adapter), or TCP proxy
- **AUTOMATIC DISPLAY CONTROL** available with the AT-OCS-900N occupancy sensor
- **CENTRALLY CONFIGURE** and manage WAVE-101 units with Velocity™
- **SUPPORTS NETWORK SECURITY** features and protocols such as WPA2-PSK, IEEE 802.1x (Ethernet port only), and AES-128 encryption
The WAVE-101 is ideal for classrooms and meeting spaces, as well as open gathering areas where people come together to collaborate and communicate. The appeal of this product is the ability for participants to quickly and easily share content right from their laptops, smartphones, or tablets, with no advance setup necessary.

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

**Wireless BYOD connections as easy as 1-2-3**

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

**Dynamic Layout Mode (patent pending)**

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

**Instructor Mode**

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

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

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

Learn more at: [atlona.com/wave](http://atlona.com/wave)
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

Learn more at: [atlona.com/ark](http://atlona.com/ark)
ATLONA ROOM KITS

Exclusive Wall-Set Rack

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

Huddle Room Kit

**AT-ARK-HR-104-KIT**
- Designed for huddle rooms that host up to 4 people
- Provides routing of HDMI video and USB data for laptop computers
- Includes a speakerphone, ePTZ camera, and automatic display control
- 55" display recommended and is purchased separately

Small Conference Room Kit

**AT-ARK-SC-104-KIT**
- Designed for conference rooms that host up to 6 people
- Provides routing of HDMI video and USB data for multiple devices
- Includes a speakerphone, PTZ camera, and touch panel control
- 65" display recommended and is purchased separately

Medium Conference Room Kit

**AT-ARK-MC-104-KIT**
- Designed for conference rooms that host up to 10 people
- Provides routing of HDMI video and USB data for multiple devices
- Includes a PTZ camera, touch panel control, tabletop beamtracking microphone, DSP amplifier, and ceiling speakers
- 75" display recommended and is purchased separately

Training Room Kit

**AT-ARK-TR-201-KIT**
- Designed for training rooms that host sessions of up to 20 people
- Provides routing of HDMI video and USB data for multiple devices, as well as remote inputs from instructors and students
- Includes touch panel control, two PTZ cameras, support for a second display, ceiling beamtracking and desktop microphones, DSP amplifier, and ceiling speakers
- 85" displays recommended and are purchased separately

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

Capture 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

Capture 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

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

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

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

Two-Output 4K HDR HDBaseT Distribution Amplifier
AT-HDR-CAT-2
- One HDMI input and two HDBaseT outputs
- Extend 4K/60 4:4:4 up to 130’ (40 m)
- Supports HDR10, HLG, and Dolby® Vision™
- Pass-through HDMI output
- CEC display control on each output
- Audio de-embedding with volume control

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

Eight-Output 4K HDR HDBaseT Distribution Amplifier
AT-HDR-CAT-8
- One HDMI input and eight HDBaseT outputs
- Extend 4K/60 4:4:4 up to 130’ (40 m)
- Supports HDR10, HLG, and Dolby® Vision™
- Pass-through HDMI output
- CEC display control on each output
- Audio de-embedding with volume control

4K HDR HDBaseT Receiver with Control and Remote Power
AT-HDR-EX-70C-RX
- HDBaseT receiver for HDMI, control, and power
- 4K HDR extension up to 130’ (40 m)
- Compatible with HDR-CAT-2, HDR-CAT-4, and HDR-CAT-8
- Remotely powered by HDR-CAT’s
- Compact enclosure can be mounted behind a display or above a projector

Four-Output Extended Distance 4K HDR HDBaseT Distribution Amplifier
AT-HDR-CAT-4ED
- One HDMI input and four HDBaseT outputs
- Extend 4K/60 4:4:4 up to 330’ (100 m)
- Supports HDR10, HLG, and Dolby® Vision™
- Pass-through HDMI output
- CEC display control on each output
- Audio de-embedding with volume control

4K HDR HDBaseT RX with Control, Ethernet, and Remote Power
AT-HDR-EX-100CEA-RX
- Receiver for HDMI, Ethernet, control, and power
- 4K HDR extension up to 330’ (100 m)
- Compatible with HDR-CAT-4ED
- Remotely powered by HDR-CAT-4ED
- Compact enclosure can be mounted behind a display or above a projector

Learn more at: atlona.com/hdr
HDR Series

**SWITCHER**

4x1 HDMI Switcher

**AT-JUNO-451**

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

**MATRIX SWITCHERS**

4x4 and 8x8 HDMI to HDMI Matrix Switchers

**AT-HDR-H2H-44MA • AT-HDR-H2H-88MA**

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

**DISTRIBUTION AMPLIFIERS**

Two, Four, and Eight-Output HDMI Distribution Amplifiers

**AT-RON-442 • AT-RON-444 • AT-RON-448**

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

**EXTENDER KIT**

HDMI Over HDBaseT™ TX/RX Kit

**AT-HDR-EX-70-2PS**

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

**EXTENDER KIT**

HDMI Over HDBaseT TX/RX with Control and PoE

**AT-HDR-EX-70C-KIT**

HDBaseT extender kit for HDMI, power, and control up to 130' (40 m) for 4K/60 4:4:4 or 230' (70 m) for 1080p
Compatible with 4K HDR10 and Dolby Vision
HDCP 2.2 compliant
HDBaseT link status testing

**EXTENDER KIT**

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

**AT-HDR-EX-100CEA-KIT**

HDBaseT extender kit for HDMI, audio, Ethernet, power, and control up to 330 ft. (100 m)
4K/60 4:4:4
Compatible with 4K HDR10 and Dolby Vision
HDCP 2.2 compliant
RX to TX audio return via optical pathway
HDBaseT link status testing

**EDID EMULATOR**

EDID Emulator for 4K Signals

**AT-ETU-SYNC**

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

**AUDIO DE-EMBEDDING**

4K HDR Multi-Channel Audio Converter

**AT-HDR-M2C**

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

Learn more at: atlon.com/hdr
Problem solvers and finishing touches

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

**AT-OCS-900N** and **AT-DISP-CTRL** provide automated control for AV systems and displays in small meeting rooms based on occupancy or signal detection. The **AT-USB-EX100-KIT** is a USB 2.0 extender that makes it easy to add an additional remote USB camera, microphone, or speaker to video conferencing rooms. The Pocket 3H (**AT-PKT-3H**) and LinkConnect™ cables provide convenient cable connectivity, access, and management for BYOD environments.

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

### Display Controller
**AT-DISP-CTRL**
- Ideal for huddle rooms without AV systems
- Simple, automated display control via IP, RS-232, IR, or CEC
- Programmable display control modes
- Local or PoE (Power over Ethernet) powering
- Comprehensive display driver selection from the Velocity™ control system database

### USB 2.0 Extender Kit
**AT-USB-EX100-KIT**
- USB 2.0 extension up to 330 feet (100 meters)
- Perfect for use with conferencing apps when USB components are in different areas of the room
- Transmitter features one USB-B and two USB-A ports
- Receiver features four USB-A ports
- Compact enclosures for flexible mounting

### Architectural Cable Access Enclosure
**AT-PKT-3H**
- Tabletop cable access enclosure
- Under-table cable management system
- Supplied insert holds three cables in place
- Low-profile design for any modern or traditional décor
- Convenient under-table bag conceals cables

### LinkConnect Cables
**AT-LC-H2H**
- HDMI to HDMI cables - 1, 2, and 3 meters

**AT-LC-MDP2H**
- Mini DisplayPort to HDMI cables - 1, 2, and 3 meters

**AT-LC-UC2UC**
- USB-C to USB-C cable - 2 meters

Learn more at: atlona.com/accessories
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

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.