

Key Products Brochure

Technologies for Sharing Ideas

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



Application: Classroom Presentation	3	Point-to-point Extenders	14
Application: Conference Room	4	HDR Products	15
PRO5 Series Matrix Switching and AV Extension	5	Audio Products	16
OmniStream™ Networked AV Distribution Platform	6	Accessories	17
Velocity™ IP-Based AV Control Platform	8	Atlona Academy Training	18
Omega™ 4K, HDMI®, DisplayPort™, & USB-C® Conferencing Products	10	Contact Information	19
Cameras and Speakerphone	13		

INNOVATING THE FUTURE OF AV

At Atlona, we are redefining what's possible in AV technology, delivering innovative solutions that empower seamless communication and collaboration in educational and commercial environments.

Many AV applications in these environments continue to call for high-performance, reliable matrix switching to route sources to multiple destinations. We are pleased to offer the new **PRO5 Series** (page 5) that includes the **AT-PRO5-MX810**, the industry's first 8x10 matrix switcher with HDMI® inputs, and AV extension outputs featuring SDVoE® technology. The companion **AT-PRO5-101-SC-RX** SDVoE receiver features built-in 4K scaling along with video wall processing capability.

Since the launch of our groundbreaking OME-TX21-WP-E wallplate switcher in 2018, Atlona's Omega™ series has set the standard for AV switching and signal distribution with USB-C technology. By 2020, the Omega series expanded into a comprehensive lineup, offering unmatched versatility for modern AV applications. Today the **AT-OME-SW21-TX** (page 11) Transmitter with USB-C and HDMI Inputs plus USB Hub joins the industry's most comprehensive product lineup for USB and USB-C.

Known for our innovative problem solvers as much as our flagship distribution products, Atlona introduces the **AT-USB-EX350-KIT** (page 17). This long-distance USB extension kit supports transmission of 5 Gbps USB 3.2 Gen 1 data up to 330 feet (100 meters) over a single category cable. Offering a USB-C host connection and three USB-A plus one USB-C ports for peripheral connections, this kit satisfies the requirement for point-to-point extension of higher data rate USB 3.2 Gen 1 components that are becoming available in the commercial AV space.

Atlona expands its audio offerings with the **AT-GAIN-M50-LZ** (page 16), a versatile 50-watt mixer amplifier designed to deliver exceptional audio performance for low impedance applications in educational and commercial environments. With dual unbalanced stereo inputs and advanced audio features like ducking, external PA muting, and a line level output for assistive listening systems, it provides flexible integration options and seamless audio management.

These innovative solutions, along with many others, showcase Atlona's commitment to shaping the future of AV. We invite you to explore the 2025 Key Products Brochure and connect with your Atlona representative to discover how our technologies can support your next project.

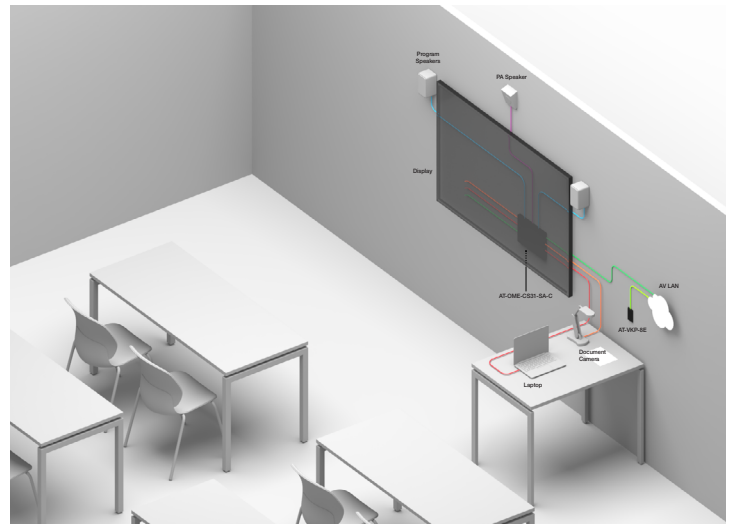


Application: Classroom Presentation

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-C** is a key component for enhancing the presentation and collaboration capabilities of today's classrooms. A 3x1 switcher provides one USB-C input and two HDMI inputs for sources such as laptops, computers, and document cameras, as well as a HDMI output for a projector or display. A key benefit of the USB-C input is that it supports AV, data, and device powering up to 60 watts over a single connection, reducing cable clutter. For audio, the OME-CS31-SA-C 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-C 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 **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



USB-C/HDMI Switcher, Mixer Amplifier, and USB Hub

AT-OME-CS31-SA-C, see page 10



Keypad Controller

AT-VKP-8E, see page 9



Network-Enabled Occupancy Sensor

AT-OCS-900N, see page 17

Application: Conference Room

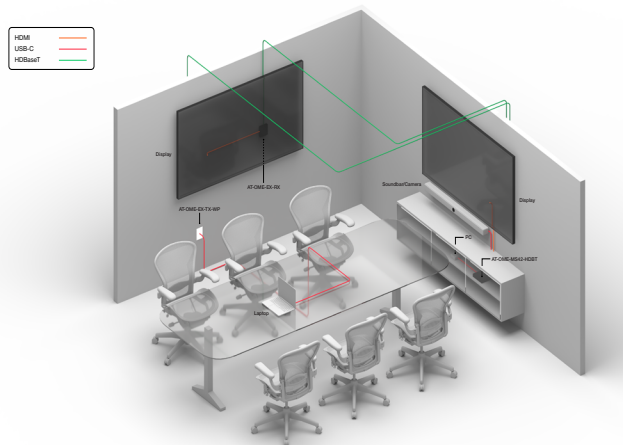
Modern conference rooms are equipped for a variety of presentation and meeting applications. They often feature two displays for flexibility in sharing content, as well as communicating with remote participants. Also important is ensuring access for presenters to connect their laptops.



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-EX-TX-WP** 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-CAP-FC110** camera and **AT-CAP-SP100** speakerphone for a high-quality video conferencing experience to remote participants.



Featured Products



4x2 Matrix Switcher with USB Hub and HDBaseT Input

AT-OME-MS42-HDBT, see page 11



Wallplate Transmitter with HDMI Input and USB Hub

AT-OME-EX-TX-WP, see page 12



4K ePTZ Auto-Framing Camera

AT-CAP-FC110, see page 13

PRO5 Series

The Next Generation of 4K HDR Matrix Switching

The **PRO5 Series** opens a new frontier in HDMI® matrix switching with AV extension outputs. It features high-performance, proven SDVoE® technology for AV extension with copper or fiber-optic connectivity. PRO5 is an essential, no-compromise 4K HDR distribution platform for education, corporate, retail, hospitality, government, and many other applications.

Together with available 4K scaling and video wall processing, rest assured that you'll be serving yourself or your clients with high-performance, dependable, long-distance AV routing from source to destination devices – today and for years to come.



Key Features

- 8X10 HDMI MATRIX SWITCHER** - with HDMI and SDVoE extension outputs
- HIGH PERFORMANCE** - SDVoE-based, point-to-point AV extension
- FLEXIBLE SDVOE CONNECTIVITY** - choose copper (CAT6a) or fiber-optic cable
- VIDEO PROCESSING** - 4K scaling and video wall processing available in PRO5 scaling receiver
- AUDIO MATRIX** - independent breakaway switching with HDMI audio embedding and de-embedding
- REMOTE POWERING** - Power over Ethernet (PoE) for PRO5 receivers over copper
- CONTROL INTEGRATION** - IP command conversion, comprehensive IR management, and CEC display control



4K HDR HDMI Matrix Switcher with SDVoE Extension Outputs



AT-PRO5-MX810

8 HDMI inputs, 2 HDMI outputs, and 8 SDVoE extension outputs
 Extend video, audio, Gigabit Ethernet, and control (IR and RS-232)
 Each SDVoE extension output with RJ45 port and SFP+ cage* for copper or fiber-optic connectivity
 4K/60 4:4:4 plus support for HDR formats
 Flexible, independent audio matrix switcher



4K HDR SDVoE Receiver with Scaler for PRO5 Matrix Switcher



AT-PRO5-101-SC-RX

SDVoE receiver for video, audio, Gigabit Ethernet, and control (IR and RS-232)
 RJ45 port and SFP+ cage* for copper or fiber-optic connectivity
 4K/60 4:4:4 plus support for HDR formats
 High-performance 4K upscaling and downscaling
 Video wall processing



4K HDR SDVoE Receiver for PRO5 Matrix Switcher



AT-PRO5-101-RX

SDVoE receiver for video, audio, Gigabit Ethernet, and control (IR and RS-232)
 RJ45 port and SFP+ cage* for copper or fiber-optic connectivity
 4K/60 4:4:4 plus support for HDR formats

* Requires compatible fiber optic transceiver module.

OmniStream™

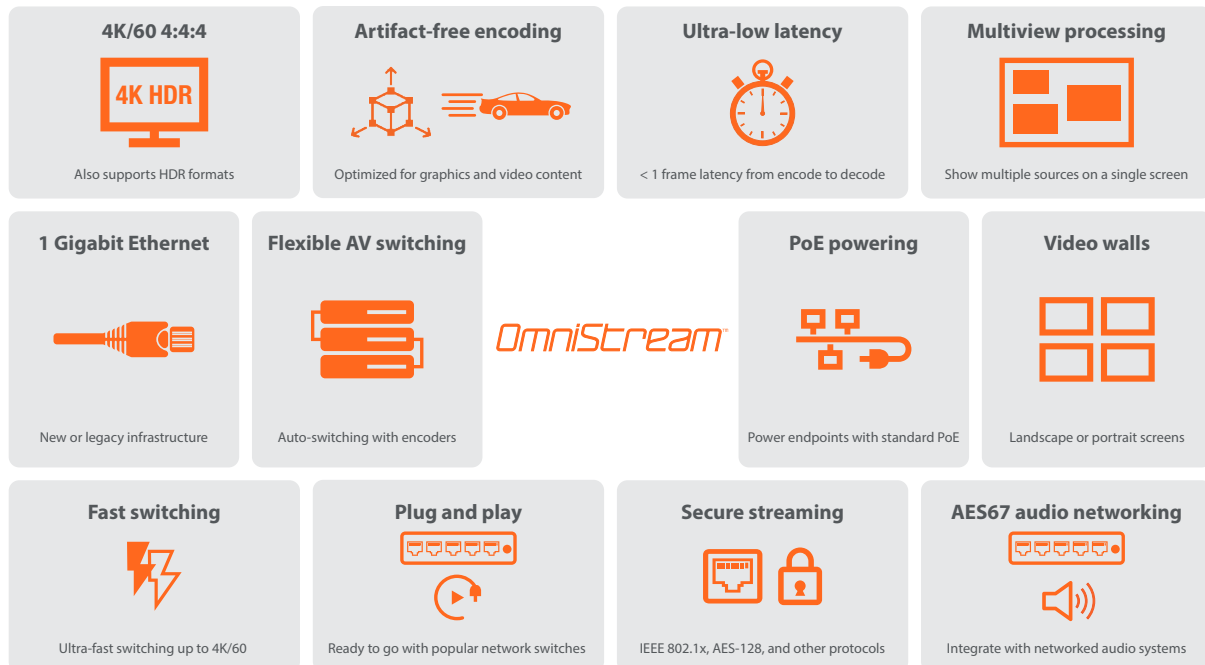
Uncompromised AV over IP performance and reliability

The ultimate networked AV distribution platform with best-in-class performance and reliability over Gigabit Ethernet. **OmniStream™** is ideal for commercial applications in 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
- Ultra-fast switching between 4K/60 video streams from OmniStream encoders
- 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



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



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

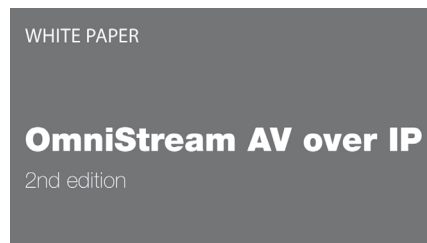
AT-OMNI-324

- Device side IP to USB adapter
- Four-port USB hub for peripherals
- 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.



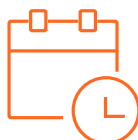
AV control, scheduling, configuration, and remote access

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.



KEYPAD-TOUCH PANEL-BYOD

AV control at the touch of a button on a keypad, touch panel, or personal 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

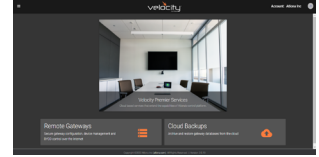


SYSTEM REDUNDANCY

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-T2

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



7" Touch Panel

AT-VTP-700VL-BL

Designed for room scheduling and AV control
7" capacitive touch screen, 1024 x 600 resolution
Glass and universal one-gang wall mount included
Side bezel LED lighting



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



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

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



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

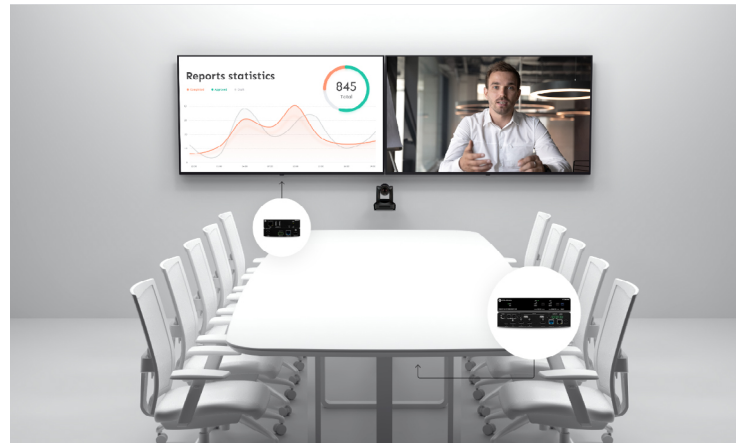
* Total available IP device capacity for AV system control, room scheduling, and AV asset management is dependent on server hardware.

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.



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

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.



USB-C/HDMI Switcher, Mixer Amplifier, and USB Hub

AT-OME-CS31-SA-C

- 1 USB-C 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



HDMI Switcher, Mixer Amplifier, and USB Hub

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



HDBaseT/HDMI Switcher, Mixer Amplifier, and USB Hub

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 Hub

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 Hub and HDBaseT Input

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

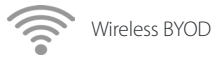


6x2 Matrix Presentation Switcher with USB Hub

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 Hub and Wireless Link

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)

SWITCHER



2x1 Switcher with USB-C and HDMI Inputs plus 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 with USB-C and HDMI Inputs

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 and Transmitter with USB-C and HDMI Inputs

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



Transmitter with USB-C and HDMI Inputs plus USB Hub

AT-OME-SW21-TX

Mirrored HDBaseT and HDMI outputs
 USB 2.0 extension up to 330 ft (100 m)
 Designed for remote powering
 Local powering available with optional power supply
 4K to 1080p downscaling for HDMI output



SWITCHING TRANSMITTER



Wallplate Transmitter with USB-C and HDMI Inputs plus 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 with HDMI Input and USB Hub

AT-OME-EX-TX

Transmitter for HDMI video, Ethernet, power, control, and USB

USB 2.0 extension up to 330 ft (100 m)

Remote powering

TRANSMITTER



Wallplate Transmitter with HDMI Input and USB Hub

AT-OME-EX-TX-WP

Transmitter for HDMI video, 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 with USB-C Input and USB Hub

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 with HDMI Input

AT-OME-TX11-WP

Transmitter for HDMI video and power

US one-gang enclosure

Interchangeable black or white trim kits

Remote powering

RECEIVER / SCALER



HDBaseT Receiver/Scaler with HDMI Input and USB Hub

AT-OME-SR21

Receiver for HDMI video, 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

Also available: **AT-OME-RX21** (no USB hub)

RECEIVER / SCALER



HDBaseT Receiver with USB Hub

AT-OME-EX-RX

Receiver for HDMI video, Ethernet, power, control, and USB

USB 2.0 extension up to 330 ft (100 m)

Supplies or receives power over HDBaseT

RECEIVER



HDBaseT Receiver with Audio De-Embedding

AT-OME-RX11

Receiver for HDMI video, Ethernet, power, and control

Remotely powers HDBaseT transmitter

Audio de-embedding

EXTENDER KIT



Wallplate HDBaseT Extender with HDMI Input and USB Hubs

AT-OME-EX-WP-KIT-LT

Extender kit for HDMI video, 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 with HDMI Input and USB Hubs

AT-OME-EX-KIT-LT

Extender kit for HDMI video, 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

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



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



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 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

The **Avance Series** are reliable HDBaseT™ extenders for 4K/UHD AV signals. They include key features and technologies including EDID Filtering, clock stretching, and HDBaseT link test to ensure video transmission integrity and quality.



Avance Extender Kit with Control and Remote Power

AT-AVA-EX70C-KIT

Extend 4K/UHD up to 130' (40 m) 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 130' (40 m) 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 330' (100 m) 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

The **HDR-EX Series** are reliable HDBaseT extension products that provide superior video performance including support for 4K/UHD @ 60 Hz with 4:4:4 chroma sampling, plus high dynamic range (HDR) formats. They are available in kits that include both a transmitter and receiver, or as individual components for integration with compatible switchers and distribution amplifiers.



4K HDR HDBaseT TX/RX with Control and PoE

AT-HDR-EX-70C-KIT

HDBaseT extender kit for HDMI®, control, and power
 Extends 4K/60 4:4:4 up to 130' (40 m) or 1080p up to 230' (70 m)
 Supports HDR10 and Dolby® Vision™
 Transmitter provides power to receiver
 HDBaseT link status testing



4K HDR HDBaseT Transmitter with Control and Remote Power

AT-HDR-EX70C-TX

HDBaseT transmitter for HDMI, control, and power
 Extends 4K/60 4:4:4 up to 130' (40 m) or 1080p up to 230' (70 m)
 Supports HDR10 and Dolby Vision
 Compatible with HDR-EX receivers, UHD-CLSO, and UHD-SW products



4K HDR HDBaseT Receiver with Control and Remote Power

AT-HDR-EX-70C-RX

HDBaseT receiver for HDMI, control, and power
 Extends 4K/60 4:4:4 up to 130' (40 m) or 1080p up to 230' (70 m)
 Supports HDR10 and Dolby Vision
 Compatible with HDR-EX transmitters, HDR-CAT, HDR-SW, UHD-CLSO, and UHD-SW products



4K HDR HDBaseT TX/RX with Ethernet, Control, PoE, and Audio

AT-HDR-EX-100CEA-KIT

HDBaseT extender kit for HDMI, audio, Ethernet, control, and power
 Extends 4K/60 4:4:4 up to 330' (100 m)
 Supports HDR10 and Dolby Vision
 RX to TX audio return via optical pathway
 HDBaseT link status testing



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

AT-HDR-EX-100CEA-TX

HDBaseT transmitter for HDMI, Ethernet, control, and power
 Extends 4K/60 4:4:4 up to 330' (100 m)
 Supports HDR10 and Dolby Vision
 Compatible with HDR-EX receivers, UHD-CLSO, and UHD-SW products



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

AT-HDR-EX-100CEA-RX

HDBaseT receiver for HDMI, Ethernet, control, and power
 Extends 4K/60 4:4:4 up to 330' (100 m)
 Supports HDR10 and Dolby Vision
 Remotely powered by compatible transmitters
 Compatible with HDR-EX transmitters, HDR-CAT, HDR-SW, UHD-CLSO, and UHD-SW products

Atlona is proud to offer variety of 4K HDR switchers, matrixes, distribution amplifiers, and other tools, all designed to deliver pristine-quality video in a wide range of education and commercial applications. Common among these products is superior video performance including support for 4K/UHD @ 60 Hz with 4:4:4 chroma sampling, plus high dynamic range (HDR) formats.



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



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



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



Two, Four, and Eight-Output 4K HDR HDBaseT Distribution Amplifiers

AT-HDR-CAT-2 • AT-HDR-CAT-4 • AT-HDR-CAT-8

- One HDMI input and two, four, or 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



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



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



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 Matrix Switchers for HDMI Signals

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



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

It has been said that a meeting without video is still a meeting, but a meeting without audio is cancelled. While lighthearted, the sentiment is correct in emphasizing how important quality audio is to communication. Below are Atlona audio products that serve to ensure program and participant audio are heard clearly in corporate meeting and educational learning environments.



50 Watt Mixer Amplifier

AT-GAIN-M50-LZ

Two-Input mixer amplifier
 2 x 25 watts or 1 x 50 watts @ 4/8 ohms
 Audio ducking and PA mute
 RS-232 control
 UL 2043 plenum rated
 ENERGY STAR® qualified
 Optional volume control wallplate



Volume Control Wallplate

AT-GAIN-VOL

Volume control wallplate for use with the AT-GAIN-M50-LZ mixer amplifier
 Provides easy-to-use manual audio level control for the amplifier when a control system is not in use
 US one-gang enclosure for wallplate openings, black and white trim kits included



60 Watt Stereo/Mono Power Amplifier

AT-GAIN-60

Selectable balanced and unbalanced audio inputs
 2 x 30 watts @ 4 or 8 ohms
 1 x 60 watts @ 24, 70, or 100 volts
 TCP/IP and RS-232 control
 UL 2043 plenum rated
 ENERGY STAR® qualified



120 Watt Stereo/Mono Power Amplifier

AT-GAIN-120

Balanced, stereo line level input
 2 x 60 watts @ 4 or 8 ohms
 1 x 120 watts @ 70 or 100 volts
 ENERGY STAR® qualified
 TCP/IP and trigger control
 Optional AES67 / Dante™ networked audio interface



AES67/Dante Networked Audio Interface

AT-GAIN-NET

AES67 / Dante networked audio interface card for the AT-GAIN-120 power amplifier
 Receives two-channel audio over IP from OmniStream AV encoders or compatible audio devices
 Simple, plug-and-play field installation



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



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



Captivate Speakerphone Secure Mount

AT-CAP-SP100-MNT

Tabletop mount for the AT-CAP-SP100 speakerphone
 Allows the speakerphone to be securely mounted to a flat surface
 Prevents tampering and theft



Captivate Speakerphone Cascade Cables

AT-CAP-SP100-CBL • AT-CAP-SP100-CBL-SM

Cascade cable for connecting two AT-CAP-SP100 speakerphones
 Allows the two speakerphones to work in unison to cover larger meeting spaces
 Available in 1 – 2.5 m coiled and 5 m fixed length versions

Problem solvers and finishing touches

The **AT-USB-EX350-KIT** is a great solution for routing high data rate (up to 5 Gbps) USB 3.2 Gen 1 devices, such as 4K cameras, over a single Category 6A U/FTP cable at distances greater than is possible with traditional USB cabling. **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-PKT-3H** and **LinkConnect™** cables provide convenient cable connectivity, access, and management for BYOD environments.



USB 3.2 Gen 1 Data Extender Kit

AT-USB-EX350-KIT

- Extends 5 Gbps USB 3.2 Gen 1 and 480 Mbps USB 2.0 data up to 330 feet (100 meters)
- Ethernet port to configure, manage, and monitor USB ports, VBUS modes, and RS-232
- One USB-C interface for host connection
- Three USB-A and one USB-C for peripheral connections



Wallplate Bracket Mount

AT-OME-WP-BKT

- Mounting accessory for Omega Series US one-gang wallplate products
- Provide surface-mount installation below a meeting table, or in a lectern or desk
- Also can be installed onto a compatible equipment rack rail



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.



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



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



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

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 learning spaces and conference rooms, and hospitality environments 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.



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