

NEW PRODUCTS BROCHURE

Complete connectivity and distribution solutions for
hospitality, home, retail, education, and corporate

2003-2018

10
YEARS OF
INNOVATION



ATLONA®



Innovations beyond the box

An AV system is more than just a collection of black boxes and software. It's the collaboration of the designer, integrator, and customer that brings it all together. Since 2003, Atlona has been featured in thousands of systems. Our talented partners have trusted Atlona in their most important projects. Here are some of our latest case studies, available for you to explore in-depth at: atlona.com/case-studies.

Networked AV

Critical nursing and health science programs at Blessing-Rieman College benefit from Atlona's **OmniStream™** AV over IP platform to eliminate older, maxed-out analog systems while providing fast switching speed and ensuring future AV systems growth.



Higher education

Making the grade for flexible connectivity and scalability in active learning environments, the University of Richmond in Virginia, selects Atlona's **CLSO-840** and **CLSO-824** matrix presentation switchers to integrate today's classroom technology while preparing for future updates.

Collaboration

The **HDVS-300-KIT** provides the solution when a prominent insurance brokerage and consulting firm challenged AV integrator 1 Touch AVS to eliminate as much cabling, wiring, and visible componentry as possible, to ensure a clean look and feel in their Microsoft® Surface Hub®-equipped conference rooms.



Atlona AV integration products are ideal for a wide range of applications in corporate, education, retail, government, house of worship, residential, and many other environments. For more information, visit: atlona.com/solutions-by-market.

Atlona **OmniStream™**

Low latency, networked AV over 1 GB Ethernet

Uncompromised AV over IP performance and reliability

The next-generation AV distribution platform for integrators to design and build flexible, scalable, and cost-effective AV systems – from meeting rooms to buildings and even a campus or enterprise.

OMNISTREAM PRODUCT FAMILIES – Multiple product families allow **OmniStream** to be tailored to your specific needs:

- **OmniStream Pro** – Networked AV designed for conference rooms, boardrooms, and divisible rooms, plus AV distribution over large networks
- **OmniStream R-Type** – Networked AV streamlined for commercial and residential AV distribution applications
- **OmniStream Audio** – Audio over IP integration via Dante™ and AES67 for use with Pro and R-Type systems
- **OmniStream USB** – Connect USB devices to PCs, peripherals, and displays across a network

	OmniStream Pro	OmniStream R-Type
Typical installation environments	Corporate, education, government, medical, and enterprise	Retail, restaurants, bars, hospitality, offices, and residences
Maximum video capability	4K HDR @ 60 Hz, UHD @ 60 Hz 4:4:4 (optional)	4K HDR @ 60 Hz, UHD @ 60 Hz 4:4:4 (optional)
Video resolutions	VESA, SD, HD, 4K/UHD	SD, HD, 4K/UHD
Video compression	SMPTE VC-2 (graphics & fast motion optimized)	SMPTE VC-2 (fast motion optimized)
Latency (encode-to-decode)	<0.5 frame; 8 ms for 60 Hz video	<0.5 frame; 8 ms for 60 Hz video
Content protection	HDCP 2.2	HDCP 2.2
Device powering	PoE or local powering	PoE, local powering (encoder)
Available dual-channel processing	Encoder and decoder	Encoder
HDR (HDR10, Dolby Vision, HLG)	✓	✓
Video wall processing	✓	✓
Logo and image display	✓	✓
Scrolling text display	✓	✓
AES67 audio over IP	✓	✓
Selectable AES-128 encryption	✓	✓
Stream over two redundant networks	✓	
Deliver two redundant streams over a network	✓	
SMPTE 2022 FEC (forward error correction)	✓	
Variable bit rate control	✓	
Encoder grouping with auto-input switching	✓	
Audio embedding & de-embedding	✓	
Limited warranty	10 years	10 years



Pro Single-Channel Networked AV Encoder

AT-OMNI-111

Single HDMI input
4K HDR plus VESA resolutions
Forward error correction
Selectable AES-128 encryption
Local/PoE-powered



Pro Dual-Channel Networked AV Encoder

AT-OMNI-112

Dual HDMI inputs
4K HDR plus VESA resolutions
Forward error correction
Selectable AES-128 encryption
Networked AV redundancy
Local/PoE-powered



Pro Single-Channel Networked AV Decoder

AT-OMNI-121

Single HDMI output
4K HDR plus VESA resolutions
Forward error correction
Selectable AES-128 encryption
Audio embedding/de-embedding
Local/PoE-powered



Pro Dual-Channel Networked AV Decoder

AT-OMNI-122

Dual HDMI outputs
4K HDR plus VESA resolutions
Forward error correction
Networked AV redundancy
Audio embedding/de-embedding
Local/PoE-powered



R-Type Dual-Channel Networked AV Encoder

AT-OMNI-512

Dual HDMI inputs
4K HDR
Local/PoE-powered



R-Type Single-Channel Networked AV Decoder

AT-OMNI-521

Single HDMI output
4K HDR
PoE-Powered



Audio Two-Input, Two-Output IP / Analog Audio Bridge

AT-OMNI-232

Dual line/mic inputs
Dual line outputs
Balanced audio
Selectable 24 V phantom power and gain settings



Audio Eight-Output IP to Analog Audio Bridge

AT-OMNI-238

Eight line outputs
Balanced audio
Selectable output gain settings



USB over IP System

AT-OMNI-311

Host side USB to IP adapter

AT-OMNI-324

Device side IP to USB adapter
Extend USB peripherals across a local area network

OmniStream provides the essential foundation for designing complete AV systems incorporating signal distribution, control, and system management. The **Atlona Management System** and Atlona **Velocity Control System** are the perfect complement to OmniStream, featuring highly intuitive configuration and user-friendly operation.

Atlona Velocity™

IP-based AV control and management



Redefining AV control

Velocity™ brings a whole new approach to AV control, making it faster, easier, and more cost-effective than ever to specify and integrate a commercial AV control system.

VELOCITY CONTROL SYSTEM ELEMENTS – Create agile AV control systems from an array of Atlona components:

- **Velocity Control Gateway** – A software and IP-based control processor designed for several AV systems over a network. Available as a server appliance, or software hosted on standard IT server infrastructure.
- **Velocity Touch Panels** – Sleek, stylistic touch panels in 5.5” and 8” sizes. BYOD integration options also available for controlling AV systems from tablets, smartphones, PCs, and more.
- **Velocity Cloud** – A centralized online resource for AV integrators, facility AV/IT system administrators, and tech managers to remotely configure, monitor, and service Atlona Velocity Control Systems, from anywhere and anytime.

Velocity delivers everything you need in an AV control system without the complications and expense of traditional systems.

Easy to Use

Control system configuration is fast and highly intuitive. No programming skills or extensive training are necessary. To get started, all it takes is a quick online orientation session.

Scalability

A Velocity Control Gateway processor can serve up to 250 IP device connections. A software gateway is also available for up to 5,000 connections to serve an enterprise.

Central Management

Velocity Cloud provides a unified platform for creating and managing AV control projects by client and client sites. Access is available anywhere through a web browser, so you can remotely provide your own personalized service.

Monitoring and Alerts

Velocity Cloud features continuous system monitoring, as well as real-time event notifications and alerts. Other systems require separate purchase to access such features.

Budget Friendly

Velocity offers a far lower cost of ownership than competitive offerings, in terms of equipment costs, free training, fast configuration, scalability, and more.

Agile

Velocity delivers the agility that enables system deployment in a fraction of the time for traditional control platforms. Integrators can also quickly expedite system changes.

Redundancy

Velocity features an IP-based system architecture that inherently allows full redundancy and system failover. This keeps AV control running continuously in all rooms.

Bring Your Own Device – BYOD

Atlona offers easy, flexible, and affordable options for Velocity Touch Panels as well as BYOD integration with tablets, smartphones, and other devices. There are no complicated licensing schemes or usage restrictions.

Analytics

Velocity Cloud includes analytics and data reporting capabilities that enable deep insight into AV equipment usage, to guide decisions on future system expansion.

Secure

Velocity supports secure data communications between Velocity devices and web clients through HTTP/2, HTTPS, and WebSockets with TLS and AES-128 encryption.



AV Control Processor for Velocity Control System

AT-VGW-250

Serves to up 250 IP device connections

Redundancy with automatic failover available via dual processors

AT-VSG-2500 • AT-VSG-5000

AV Software Control Processor serves up to 2,500 or 5,000 IP devices

Enterprise version for servers

Redundancy with automatic failover available via dual processors

AT-VCC-IR-KIT • AT-VCC-RELAY-KIT • AT-VCC-RS232-KIT

Velocity Command Converters for IP conversion to RS-232, IR, and relay / sensor



Touch Panels for Velocity Control Systems

AT-VTP-550-BL • AT-VTP-550-WH

5.5" capacitive touch screen, 720x1280 resolution

Black and white versions

AT-VTP-800-BL • AT-VTP-800-WH

8" capacitive touch screen, 1280x800 resolution

Black and white versions

Also available: **AT-VTP-TMK Tabletop Mounting Kit**

AT-VDL-10 • AT-VDL-50 • AT-VDL-250

Velocity Control System upgrade licensing to add BYOD mobile devices or PCs as AV control interfaces

Available for up to 10, 50, or 250 simultaneous BYOD connections to a Velocity Control Gateway processor



Remote Configuration and Management Portal

VELOCITY CLOUD

Create and manage **Velocity Control Systems** for multiple clients and sites

Access anywhere worldwide from a web browser

No programming required

Continuous system monitoring

Offered in two service tiers as a yearly subscription

See below for detailed comparison

	Velocity Cloud Lite	Velocity Cloud Pro
Remote configuration and control	✓	✓
System backup – Gateway database and software licenses	✓	✓
Remote system restoration	✓	✓
Continuous system monitoring	✓	✓
Archive system documentation and essential files	✓	✓
Create user accounts for integrator and end user staff	✓	✓
Define role-specific access levels per user account	✓	✓
Event notifications	✓	✓
Alerts via e-mail	✓	✓
Alerts via SMS		✓
Remote firmware updates		✓
Usage reporting		✓
Analytics with UI dashboard		✓

Velocity Training: Integrators can deploy Velocity after just a short online training course, with no need to attend lengthy classes, earn certifications, or hire expert programmers. Log-in to the **Atlona Education Portal** to get started or request access to FREE **Atlona Academy** training at atlona.com.

Atlona **CLSO Series**

Multi-format switchers and matrixes with HDBaseT™

Simplify complex spaces

The CLSO-840 is highly versatile and ideal for presentation environments with content on multiple displays, as well as videoconferencing, presentation capture, and divisible rooms. Everything you need is in one product including remote endpoint capability with HDBaseT, audio integration features, Ethernet and control extension, plus seamless control and management with Velocity™ and the Atlona Management System™.



AT-UHD-CLSO-840

Combine the power of the CLSO Series with the flexibility of remote signal extension, switching, and scaling when combined with the **UHD-EX Series** and **HDVS-200 Series** of transmitters and receivers.

Product	Inputs	Outputs	Applications	Audio Integration	Control Integration	Additional Features	Atlona Extender Compatibility
AT-UHD-CLSO-601	4 HDMI 2 multi-function VGA	Mirrored HDBaseT (100 m) and HDMI Integrated 4K scaling	Classrooms Meeting rooms	Mic input with ducking Embedding and de-embedding Breakaway audio switching	TCP/IP, RS-232, and IR control Control insertion over HDBaseT RS-232 routing to local and remote devices	Automatic display control Automatic input switching	UHD-EX Series receivers
AT-UHD-CLSO-612ED	2 HDBaseT (100 m) 2 HDMI 2 multi-function VGA	Mirrored HDBaseT (100 m) and HDMI Integrated 4K scaling	Classrooms Meeting rooms Conference rooms Auditoriums	Mic input with ducking Embedding and de-embedding Breakaway audio switching	TCP/IP, RS-232, and IR control Control insertion over HDBaseT RS-232 routing to local and remote devices	Automatic display control Automatic input switching	UHD-EX and HDVS-200 Series transmitters, UHD-EX Series receivers
AT-UHD-CLSO-824	3 HDBaseT (100 m) 4 HDMI 1 multi-function VGA	2 discrete, mirrored HDBaseT (100 m) and HDMI	Conference rooms Auditoriums Training rooms Divisible rooms	Mic input with ducking Embedding and de-embedding Audio output matrix mixer	TCP/IP, RS-232, and IR control Control insertion over HDBaseT RS-232 routing to local and remote devices		UHD-EX and HDVS-200 Series transmitters and receivers
AT-UHD-CLSO-840	3 HDBaseT (100 m) 5 HDMI	2 HDBaseT (100 m) 2 HDMI All outputs discrete	Large conference rooms Auditoriums Training rooms Divisible rooms Videoconferencing Lecture capture	Embedding and de-embedding Independent routing for de-embedded audio	TCP/IP and RS-232 control Control insertion over HDBaseT RS-232 routing to remote devices		UHD-EX and HDVS-200 Series transmitters and receivers

OTHER MODELS IN THE SERIES



AT-UHD-CLSO-601



AT-UHD-CLSO-612ED



AT-UHD-CLSO-824

Atlona **HDVS Series**

Switching • Scaling • Extension

Maximize your software-based videoconferencing rooms

The Atlona **HDVS-300-C-KIT** eliminates the clutter and system complexity in huddle spaces and meeting rooms for videoconferencing, with multi-format auto-switching, USB and control extension, plus remote PoE powering. Even the HD PTZ camera is included.

Discover the other members of the ground-breaking HDVS Series: **HDVS-150** and **HDVS-200**. Both are designed for maximizing the potential of your huddle space, meeting room, or remote switcher application. All members of the HDVS Series offer the convenience of automatic input switching and display control.



AT-UHD-HDVS-300-C-KIT



HDBaseT Transmitter and Receiver Kit

AT-HDVS-150-KIT

3x1 switcher/transmitter
HD video scaler/receiver
RS-232 control
230 ft./70 m transmission



HDBaseT Wallplate Transmitter; Dual HDMI

AT-HDVS-210H-TX-WP

2x1 switcher/transmitter
4K/60 4:2:0
TCP/IP and RS-232 control
330 ft./100 m transmission
US one-gang
Black and white trim kits included



HDBaseT Wallplate Transmitter; HDMI/USB-C

AT-HDVS-210U-TX-WP

2x1 switcher/transmitter
Industry's first transmitter with USB-C
4K/60 4:2:0
TCP/IP and RS-232 control
330 ft./100 m transmission
US one-gang
Black and white trim kits included



HDBaseT Switcher and Transmitter

AT-HDVS-200-TX

3x1 switcher/transmitter
4K/60 4:2:0
Ethernet and RS-232 control
Integrated HDBaseT link status monitoring
Audio embedding
330 ft./100 m transmission



HDBaseT Receiver and Scaler

AT-HDVS-200-RX

HD video scaler/receiver
Ethernet and RS-232 control
Audio de-embedding
TCP/IP and RS-232 control
Contact closure for screen control
330 ft./100 m extension



High Video Quality Scaler and HDBaseT Receiver

AT-HDVS-SC-RX

2x1 switcher/receiver/scaler
HDMI and HDBaseT inputs
Atlona CrystalScale™ Technology
Pristine-quality image scaling and processing
Video wall processing with image rotation

Atlona SW Series

High performance AV switching

The definitive BYOD solution for wireless AV

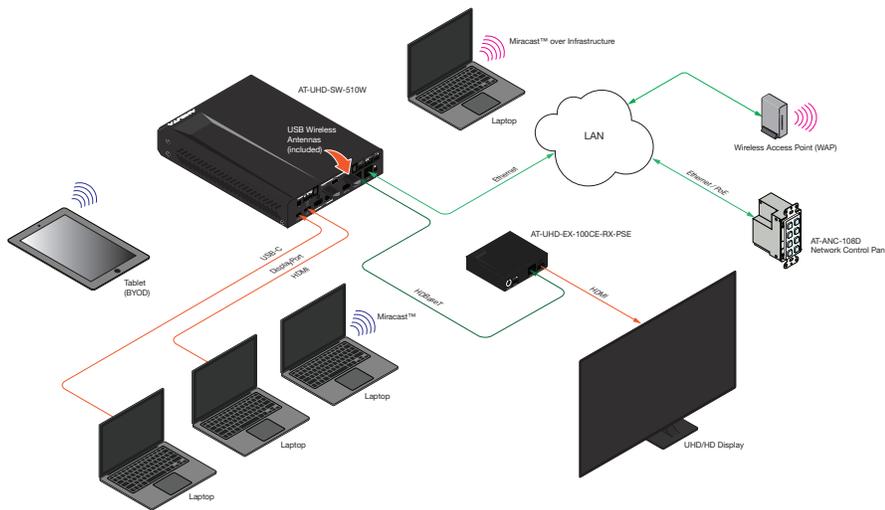
The **Atlona SW-510W** is tailor-made for BYOD and huddle rooms. More than just a means to connect to the screen wirelessly, it offers secure signal transmission, auto switching, display control plus the industry's first USB-C-equipped switcher. See full product details and learn more at: atlona.com/sw-510w



AT-UHD-SW-510W

KEY FEATURES:

- Native wireless device integration, no app to install for iOS®, Android™, or Windows® (Miracast™)
- Connect HDMI, DisplayPort, and USB-C sources
- Charge laptops through USB-C input
- Automatic switching and display control for wired and wireless AV signal presence
- Secure wireless access and AV signal transmission
- Ideal for huddle rooms and small meeting spaces
- Also ideal as a technology / wireless BYOD upgrade for legacy HDVS systems



Switchers with HDMI Outputs

AT-UHD-SW-51

5x1 HDMI switcher

AT-UHD-SW-52

5x1 HDMI switcher with mirrored outputs



Switcher with Mirrored HDMI and HDBaseT Outputs

AT-UHD-SW-52ED

5x1 HDMI switcher
Enhanced system integration with UHD-EX and HDVS-200 Series receivers



Switcher with HDBaseT inputs and Mirrored HDMI and HDBaseT Outputs

AT-UHD-SW-5000ED

5x1 HDMI and HDBaseT switcher
Expanded system integration with UHD-EX and HDVS-200 Series transmitters and receivers

Atlona HDR Series

Complete support for emerging HDR formats

4K HDR switcher

The **Atlona JunoX™ 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™ @ 60 Hz 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 JunoX is at home in residential or commercial applications.



AT-JUNO-451

Atlona offers a family of products to extend and distribute 4K/60 4:4:4 and 4K HDR video, all designed to deliver pristine-quality 4K HDR image presentations in residential and commercial applications.



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

AT-HDR-EX-100CEA-KIT

HDBaseT extender kit for HDMI, audio, power, and control up to 330 ft. (100 m)
4K/60 4:4:4
Compatible with 4K HDR10 @ 60 Hz & Dolby Vision @ 30 Hz
HDCP 2.2 compliant
RX to TX audio return via optical pathway
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 @ 60 Hz & Dolby Vision @ 30 Hz
HDCP 2.2 compliant
HDBaseT link status testing



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 @ 60 Hz & Dolby Vision @ 30 Hz
HDCP 2.2 compliant
HDBaseT link status testing



4x4 HDMI to HDMI Matrix Switcher

AT-HDR-H2H-44M

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



Two and Four-Output HDMI Distribution Amplifiers

AT-RON-442 • AT-RON-444

4K/60 4:4:4
Compatible with 4K HDR10 & Dolby Vision @ 60 Hz
HDCP 2.2 compliant
EDID management
Supports cascading up to eight units



EDID Emulator for 4K HDR HDMI Signals

AT-ETU-SYNC

EDID and Hot Plug Detect emulation
Detects and resolves issues between source and destination devices
4K/60 4:4:4
Compatible with 4K HDR10 & Dolby Vision @ 60 Hz
HDCP 2.2 compliant

Atlona New Products

Always innovating

The latest, innovative technologies for commercial and residential applications

Since 2003, Atlona has led the way with innovative, challenge-solving products. As we look towards the next 15 years, we don't see the pace slowing or the excitement stopping. For full product information please visit atlona.com.



4K HDR HDMI Over HDBaseT TX/RX Kit
AT-HDR-EX-70-2PS



4K HDR HDMI Over HDBaseT TX/RX with Control and PoE
AT-HDR-EX-70C-KIT



4K HDR HDMI Over HDBaseT TX/RX with Ethernet, Control, PoE, and Return Audio
AT-HDR-EX-100CEA-KIT



4K HDR 4x4 HDMI to HDMI Matrix Switcher
AT-HDR-H2H-44M



4K/UHD Two-Input Wallplate Switcher for HDMI with HDBaseT Output
AT-HDVS-210H-TX-WP



4K/UHD Two-Input Wallplate Switcher for HDMI and USB-C with HDBaseT Output
AT-HDVS-210U-TX-WP



High Video Quality Scaler and HDBaseT Receiver
AT-HDVS-SC-RX



PTZ Camera for HDVS-300 Soft Codec Conferencing System
AT-HDVS-CAM



Soft Codec Conferencing System with PTZ Camera
AT-UHD-HDVS-300-C-KIT



4K/UHD 8x4 HDBaseT and HDMI Matrix Switcher with PoE

AT-UHD-CLSO-840



Host Side USB to IP Adapter

AT-OMNI-311



Device Side IP to USB Adapter

AT-OMNI-324



AV Control Processor for Velocity Control System

AT-VGW-250



Stereo/Mono Audio Power Amplifier - 60 Watts

AT-GAIN-60



Stereo/Mono Audio Power Amplifier - 120 Watts

AT-GAIN-120 • AT-GAIN-120NET



5.5" Touch Panels for Velocity Control System

AT-VTP-550-BL • AT-VTP-550-WH



8" Touch Panels for Velocity Control System

AT-VTP-800-BL • AT-VTP-800-WH



Remote Configuration and Management Portal for Velocity Control System

AT-VSW-LIC-LITE • AT-VSW-LIC-PRO



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