Velocity™

Hardware Gateway for AV Control

and Management plus Room Scheduling

Introduction

The Atlona AT-VGW-HW-3, AT-VGW-HW-10, and AT-VGW-HW-20 are Atlona Velocity™ System server gateways for AV system control, plus room scheduling and AV asset management. These gateways feature a compact enclosure that easily installs into a rack. With a simple network connection and web browser access, an integrator, tech manager, or technician can quickly begin configuration and deployment of AV control systems, room scheduling touch panels, and AV devices such as matrix switchers. Velocity VGW-HW server gateways support industry-standard, secure data communications, and feature dual Gigabit Ethernet ports for isolating an AV device LAN from a facility or corporate network. An innovative, network-based system architecture allows full redundancy and failover with two gateways in operation, maximizing AV system reliability while preventing downtime in mission-critical applications.

Unit Capabilities

SKU	AV Control	Room Scheduling	IP Device Capacity
AT-VGW-HW-3	Up to 3 rooms	Up to 6 rooms	250 simultaneous IP connections
AT-VGW-HW-10	Up to 10 rooms	Up to 20 rooms	250 simultaneous IP connections
AT-VGW-HW-20	Up to 20 rooms	Up to 40 rooms	500 simultaneous IP connections

A room can include AV control, room scheduling, or both. For example, with the AT-VGW-HW-10 there can be a total of 6 rooms with AV control only, 4 rooms for control and scheduling, and 16 rooms with scheduling only.

Key Features

Velocity AV system control

- Flexible scalability for integrating one or several AV systems over a network.
- Fast, agile, and highly intuitive control system configuration – set up a room AV system in minutes.
- Configurations can easily be duplicated across devices, rooms, and sites.
- Make control system modifications in just minutes, including AV equipment changes
- Control system redundancy with automatic failover, available via primary and backup VGW-HW processors
- Velocity Command Converters available for IP conversion to RS-232, IR, and relay / sensor; IP to RS-232 available through Atlona AV devices

Velocity room scheduling

- Easy to install and configure for integrators.
- Compatible with G Suite™ and Microsoft® Office 365™.
- Simple to access for meeting participants though Velocity touch panels
- User-friendly GUI for viewing meeting room availability status, browsing for available rooms, and scheduling a meeting or event time
- Ability to extend meetings and initiate ad hoc meeting sessions
- Can be configured with AV system control to automatically trigger AV functions and macros whenever a meeting begins or ends

Velocity Cloud Lite remote configuration and management

- Online resource for creating and centrally managing Velocity control and room scheduling systems for multiple clients and sites.
- Remotely configure a new Velocity control system from scratch, or modify an existing system in minutes.
- Continuous system monitoring – quickly assess system and device status
- Automate Velocity system backups to the cloud at defined intervals
- Easy system restoration by accessing any time-stamped backup

Atlona Management System (AMS)

- Centralized, network-based configuration and management of Atlona IP-controllable products and systems.
- Manage configuration and firmware updates for AV devices spanning a facility, building, enterprise, or residence.
- Automatically discovers Atlona devices on the network and adds them to the system configuration
- Organize Atlona device installations by room, floor, building, and site or campus
- Back up device configurations, duplicate configurations to identical Atlona products on the network, and restore configurations when devices are replaced
- Pre-configure Atlona devices prior to on-site installation and commissioning
- Manage firmware updates including the ability the push to multiple devices at once, and schedule updates at a convenient date and time
- Continuous system monitoring – quickly assess system and device status

Features

Hardware server gateways for AV system control, room scheduling, and AV asset management

Access from a web browser for setup and management

Simplify system or device configuration, deployment, and management with the interactions, flow, and visual elements of a web or mobile app GUI

Create role-based accounts for integrator, client, and AV/IT staff members, each with clearly defined access privileges

Dual Gigabit Ethernet ports for isolating a dedicated AV LAN from the facility or corporate network

Supports industry-standard, secure data communications through HTTP/2, HTTPS, SSH, SFTP, and WebSockets with TLS and AES-128 encryption

USB 3.0 and USB-C ports, plus HDMI® and Mini DisplayPort outputs for future expansion

Rack-mountable 1U, half rack width enclosure

Includes installation guide, rack mounting brackets, and external universal power supply

Award-winning 10 year limited product warranty

Specifications

Control Software
Built-in web portal for system configuration and management; remote web access available through Velocity Cloud

IP	
NIC	Two Network Interface Controllers (NIC) – supports segregated AV and facility LANs
Ports	2 x RJ45 ports, one to each NIC
Standards and Protocols	DHCP, HTTP, HTTPS, SFTP, SMTP, SNMP, SSH, TCP, UDP, IEEE 802.1x
Ethernet Speed	10/100/1000 Mbps
Addressing	DHCP, static

Environmental	Fahrenheit	Celsius
Operating	32 to 122	0 to 50
Storage	-4 to 140	-20 to 60
Humidity (RH)	20% to 60%, non-condensing	

Power	
Consumption	40W (min) to 55W (max)
Supply	Input: AC100~240V 50/60Hz Output: DC 19V / 3.42A

Dimensions (H x W x D)	Inches	Millimeters
Unit	1.73 x 8.64 x 4.48	44 x 219.5 x 114
Power Supply	1.25 x 1.88 x 4.25	31.75 x 47.63 x 107.95

Certification	
Device	CE, FCC, RoHS, VGW-HW-20: CB (safety)
Supply	KC, UL, ETL, RCM, CE, FCC, TUV Safety, CCC, EAC, BSMI, PSE

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