



Introduction

The Atlona **AT-VGW-250** Velocity Control Gateway is an AV control processor for the Atlona Velocity Control System. The VGW-250 is capable of serving up to 250 simultaneous IP device connections for Atlona and third-party AV devices, Velocity touch panels, and BYOD control from web browsers and mobile devices. This device control capacity makes the VGW-250 Gateway highly scalable from a single room installation to several AV systems over a network. This control processor also features an innovative network-based system architecture that allows full redundancy and failover with two Gateways in operation, maximizing AV control system reliability. It supports industry-standard, secure data communications, and features dual Gigabit Ethernet ports for isolating an AV device LAN from a facility or corporate network.

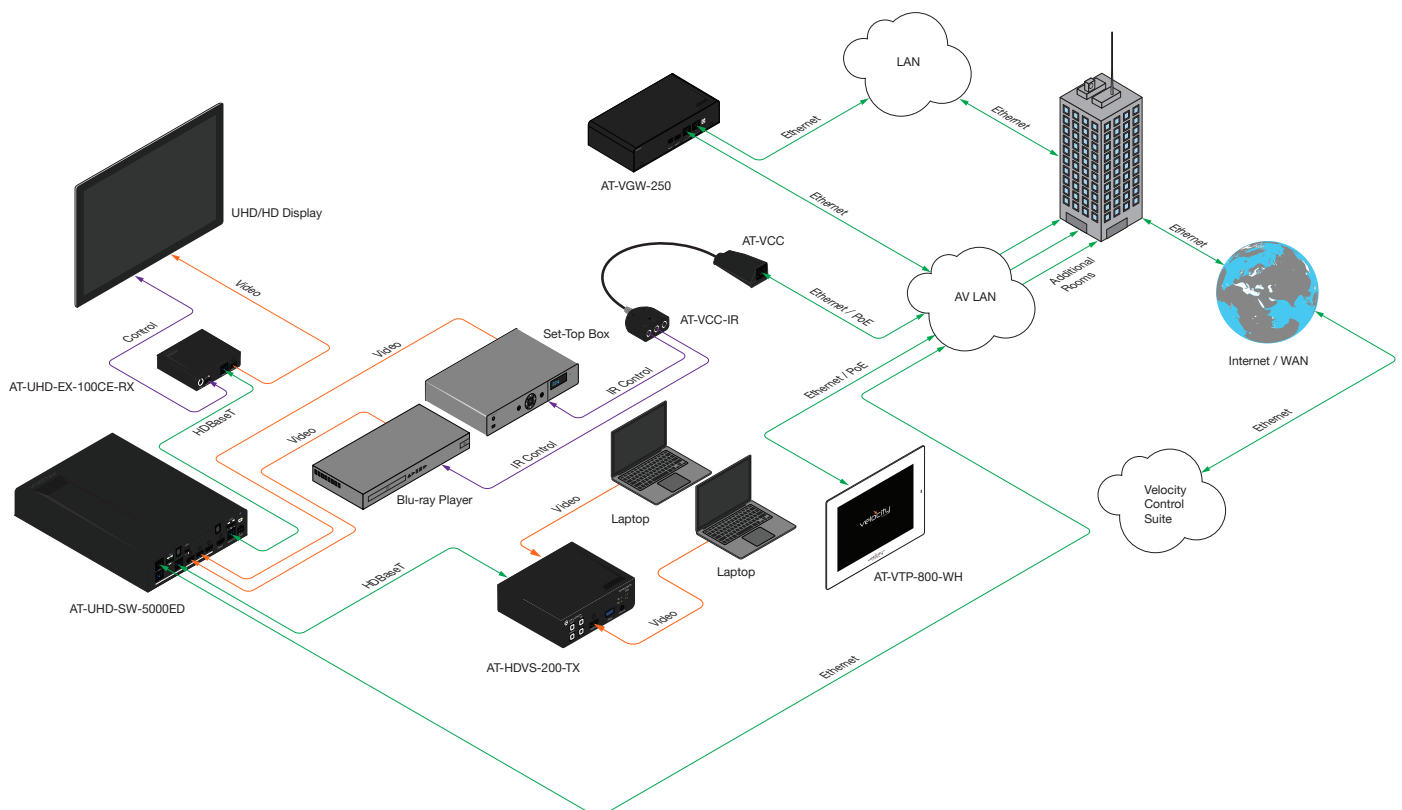
High Capacity, Software Control Processor Available

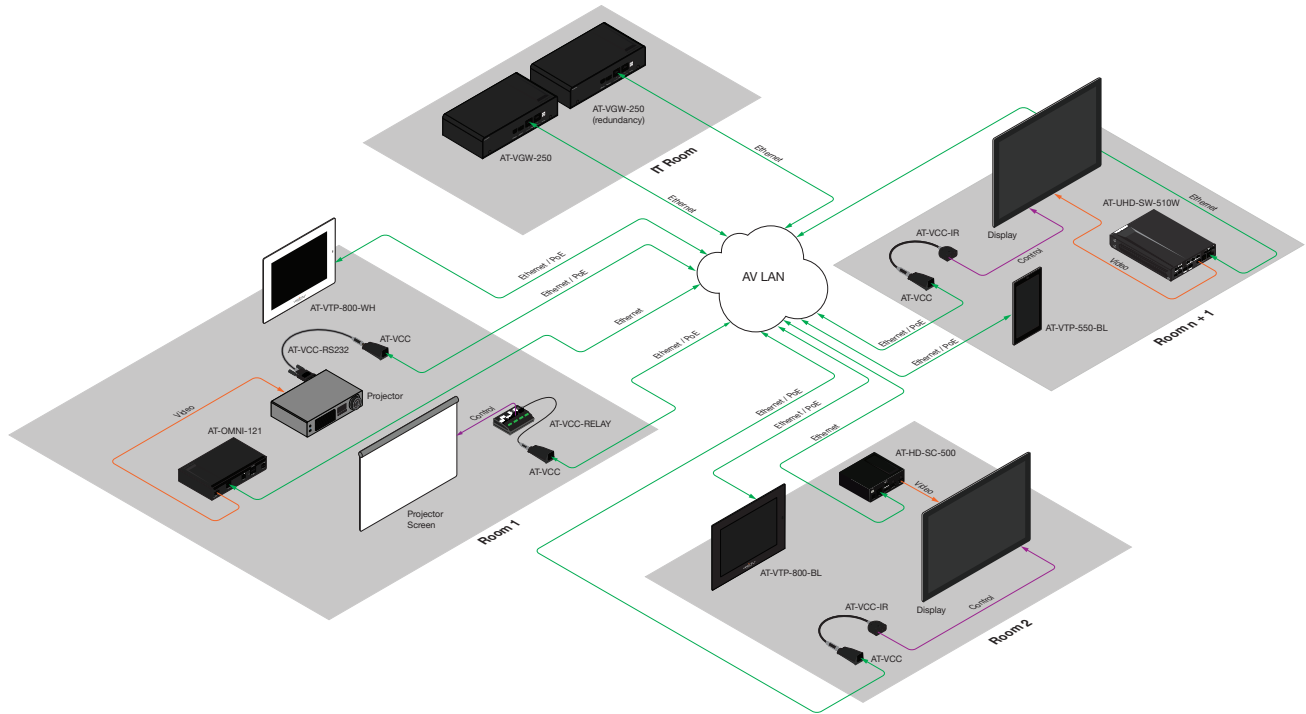
In addition to the VGW-250, a licensed software version of the Velocity Control Gateway is available that enables AV control processing on standard IT server infrastructure provisioned by the integrator or end user. It is capable of serving up to 5,000 simultaneous IP device connections for large-scale integration of AV control systems spanning a facility, building, campus, or enterprise. The software can be hosted on a dedicated virtual machine, server hardware, or in a Linux container. As with the VGW-250, the software version allows full redundancy and failover when two instances are in operation.

Key Features

- Velocity™ Control Gateway – AV control processor for the Velocity Control System
- Serves to up 250 IP device connections for Atlona and third-party AV devices, touch panels, and BYOD control
- Flexible scalability for integrating one or several AV systems over a network
- Control system redundancy with automatic failover, available via primary and backup VGW-250 processors
- 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
- Fast, streamlined setup, configuration, and management from the Velocity Control Suite online portal
- Velocity Control Suite also available offline on the Gateway for security and complete isolation
- IP conversion to other RS-232, IR, and relay / sensor available through Velocity Command Converters; IP to RS-232 available through CLSO and SW Series switchers
- 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

Connection Diagram





Specifications

Control Software

Velocity Control Suite - preinstalled for on-premises applications, or available as a centralized, cloud-based service

IP

NIC	Two Network Interface Controllers (NIC) - supports segregated AV and facility LANs
Ports	2 x RJ-45 ports, one to each NIC
Protocols	DHCP, HTTP, HTTPS, SFTP, SMTP, SNMP, SSH, TCP/IP, UDP
Ethernet Speed	10/100/1000 Mbps
Addressing	HDCP, static

Temperature

Fahrenheit

Celsius

Operating	32 to 122	0 to 50
Storage	-4 to 140	-20 to 60
Humidity (RH)	20 to 90%, non-condensing	

Power

Consumption	40 W (min) to 55 W (max)
Supply	19 V / 3.42 A

Dimensions

Inches

Millimeters

H x W x D	1.73 x 8.64 x 4.48	44 x 219.5 x 114
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Certification

Unit	CE, FCC
Power Supply	KC, UL, ETL, RCM, CE, FCC, TUV Safety, CCC, EAC, BSMI, PSE