

Vertiv™ Avocent® MergePoint Unity™ Switch



Benefits

- Remote access to KVM, USB and serial connections
- Serial adaptors support SSH connections
- Serial adaptors support the Cisco pinout to make connections to Cisco equipment quick and easy
- Support HTML5 Viewer for more secured and Java-free KVM access
- Virtual media enables remote USB connections and support for smartcard/CAC readers
- Built-in Web interface for standalone applications or can be managed with the Vertiv™ Avocent® DSView™ 4 management software*
- Local and remote browser interface for easy setup and use
- FIPS 140-2 compliance: Based on the FIPS 140-2 validated cryptographic module(s) (Certificate #1051)

The Vertiv™ Avocent® MergePoint Unity™ switch is the fourth-generation KVM over IP switch from Avocent® solutions.

This switch provides IT administrators a complete remote management solution to access and control servers, networking equipment and other devices found in data centers and branch offices.

The Vertiv Avocent MergePoint Unity switch enhances the in-band management typically done through the NIC of IT equipment by providing secure and remote out-of-band connections directly to the physical KVM, USB and serial ports. This unified approach enables IT administrators a faster method to diagnose, reconfigure or restore equipment to meet SLAs and minimize downtime.

Improve Remote Management and Staff Efficiency

- Reduce the time required to remotely diagnose/reconfigure/repair/restore servers as well as network devices and other hardware with serial configuration and/or management consoles.
- Complement in-band tools to create a more complete remote management solution to access servers and network equipment at remote locations.
- Virtual media enables remote USB connections to map CD-ROM and other USB mass storage devices directly to remote servers to transfer/copy files, load updates or install new applications, etc.

Integrated serial device support allows secure SSH connections to the physical serial ports of devices attached to the MPUIQ-SRL module. The Cisco configuration settings electronically pin out the module to enable a fast and direct connection to Cisco configuration ports, without the need for any additional external wiring adapters or special wiring.

Improve Physical Security

- Remote smart card/CAC reader support is provided for advanced security requirements. Using the virtual media capabilities of the Vertiv Avocent MergePoint Unity switch, a smart card reader can be mapped from a desktop PC out to a remote server.
- Reduce the need to physically enter the data centers for local access and control. The Vertiv Avocent MergePoint Unity switch provides remote users the capabilities of a direct physical connection from anywhere to KVM, USB and serial ports of servers and other IT equipment.

Vertiv™ Avocent® IP KVM vs Embedded Server Management (Service Processors)

- Provides plug-n-play access and control supporting a vendor-agnostic compute environment.
- Higher level of overall security and easier to deploy, maintain, and administrate.
- Can co-exist with other Vertiv IT management solutions covering network devices, power control, and virtualization access through a central portal solution.

Avocent® Solutions Can Help You Answer Questions Like:

- How can I access a remote server that is having an OS or network connectivity issue?
- If a server drops off the network, how can I quickly determine the cause and restore connectivity?
- How can I access a remote server to restart a service or stop a runaway process if my remote software tools cannot make a connection?
- How can I use smart card readers for computer authentication if I am using remote hardware such as digital KVM switches?
- When working on remote server OS or application issues, how can I transfer data or load a new application if the network connection on that device is down or unavailable?
- How can I access the configuration port of a network router or switch that is off-line without having to take my laptop and a serial cable into the data center?



MPU8032: Vertiv™ Avocent® MergePoint Unity™ 32-port switch



SFIQ-VGA: Vertiv™ Avocent® Smaller Form Factor Server Interface Module for VGA video, USB keyboard/mouse supporting virtual media, CAC AND USB 2.0

* HTML5 Viewer does not support smartcard and virtual media for CD drive and removable drive.

Overview

Mechanical

Size: HxWxD

1.72 in. (4.37 cm) H

17 in. (43.18 cm) W

16- or 32-port models: 13.38 in. (34 cm) D

8-port models: 9.2 in. (23.4 cm) D

Weight:

8-port single power: 6.3 lbs. (2.86 Kg)

8-port dual power: 6.8 lbs. (3.08 Kg)

16- and 32-port dual power: 8.6 lbs. (3.9 Kg)

Ports/Connections

Network: Number: 2

Type: 10/100/1000 Ethernet

Power Control Ports: Number: 2

Type: RS232 serial

Connector: 8-pin modular

Device Ports: Number: 8, 16 or 32

Connector: 8-pin modular

Local Console: Number: 1

Connector: USB and VGA

Supported Target Video: VGA, DVI-I,

Display Port and HDMI

Power Supply

Number: Single or dual power supplies

Type: Internal

AC input range: 100-240V

Connector: IEC C14

Video Resolution

Maximum local video resolution 1920x1080;
maximum remote resolution 1600x1200

Standards

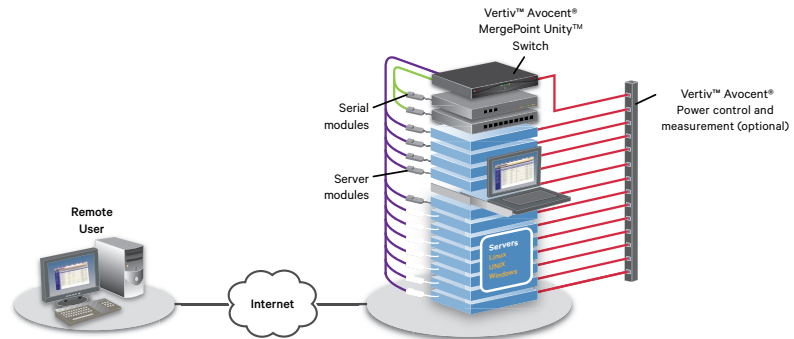
Approved Agency:

UL, FCC, cUL, ICES-003,
CE, VCCI, KCC, C-Tick, GOST.

* MPU108 is EAC Approved

Warranty

Two Years with the options of 1/2/4 years
Gold / Silver support and warranty

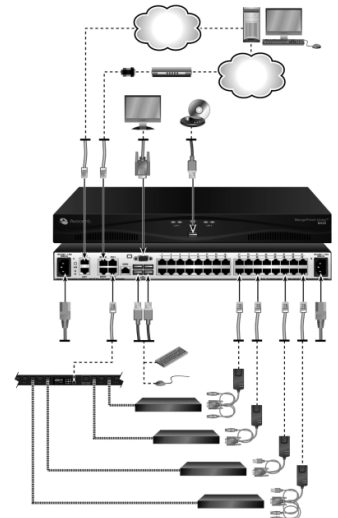


Ordering Details

Part Number	Description
MPU108EDAC-400	8-port, 1 digital KVM path, dual AC power supply, TAA compliant
MPU2016DAC-400	16-port, 2 digital KVM paths, dual AC power supply, TAA compliant
MPU2032DAC-400	32-port, 2 digital KVM paths, dual AC power supply, TAA compliant
MPU4032DAC-400	32-port, 4 digital KVM paths, dual AC power supply, TAA compliant
MPU8032DAC-400	32-port, 8 digital KVM paths, dual AC power supply, TAA compliant

What's included in the box

- The MergePoint Unity™ switch
- Rack mount bracket kit
- AC power cord(s)
- Quick installation guide



Service Interface Modules, Cables, and Accessories

SFIQ-VGA	Smaller Form Factor Server Interface Module for VGA video, USB keyboard/ mouse supporting virtual media, CAC and USB2.0.
SFIQ-VGA08	Small Form Factor Server Interface Module for VGA, USB keyboard, mouse. Supports virtual media, CAC and USB 2.0 (8 pack)
MPUIQ-VMCHS-G01	Server Interface Module for VGA video, USB keyboard/ mouse supporting virtual media, CAC and USB2.0. TAA compliant
MPUIQ-VMCHD	Server Interface Module for HDMI video, USB keyboard/ mouse supporting virtual media, CAC and USB2.0.
MPUIQ-VMCDV	Server Interface Module for DVI video, USB keyboard/mouse supporting virtual media, CAC and USB2.0
MPUIQ-VMCDP	Server Interface Module for DisplayPort video, USB key- board/ mouse supporting virtual media, CAC and USB2.0
MPUIQ-SRL	Server Interface Module for serial devices for extended distance (requires UPD-AM)
UPD-IEC	Power supply, IEC Adapter & 4 output cable to support up to 4 MPUIQ-SRL modules
DSAVIQ-PS2M	Server Interface Module for VGA video, PS/2 keyboard & mouse with USB virtual media

Note: Legacy DSRIQs are also supported, please contact an Avocent sales representative for more information.

Resources:

[AutoView 3000 series KVM switch datasheet](#)

[KVM comparison matrix](#)

[KVM modules compatibility matrix](#)

[KVM cables and modules](#)

[Maintenance program](#)