Avocent MergePoint Unity®
KVM over IP and Serial Console Switches

■ Infrastructure Management & Monitoring for *Business-Critical Continuity™*

Quick Facts

- **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**

- **Virtual media enables remote USB connections and support for smart card/CAC readers**

- **Built-in Web interface for standalone applications or can be managed with the DSView® 3 management software***

- **Local and remote browser interface for easy setup and use**

* version 3.7 or above

Avocent 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?**

The Avocent MergePoint Unity switches include both KVM over IP and serial console management technology in a single appliance.

This unique combination 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 MergePoint Unity switches enhance 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 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 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.

MergePoint Unity 32-port dual AC appliance

Avocent®

EMERSON™
Network Power

Specifications

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

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

Weight:

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

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

16- and 32-port single power: 8.1 lbs. (3.67 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: 4, 8, 16 or 32

Connector: 8-pin modular

Local Console: Number: 1

Connector: USB and VGA

Power Supply

Number: Single or dual power supplies

Type: Internal

AC input range: 100-240V

Video Resolution

Local and remote up to 1280x1024

(1600x1200 using the MPUIQ-VMC)

Standards

Approved Agency: UL, FCC, cUL, ICES-003, CE, VCCI, KCC, C-Tick, GOST

Warranty

Two Years

ORDERING DETAILS
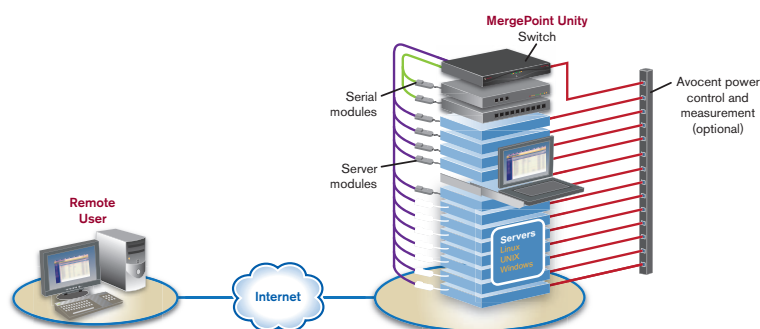
PART #	DESCRIPTION
MPU104E-XXX	4-port, 1 digital KVM path, single AC power supply
MPU108E-XXX	8-port, 1 digital KVM path, single AC power supply
MPU108EDAC-XXX	8-port, 1 digital KVM path, dual AC power supply
MPU1016-XXX	16-port, 1 digital KVM path, single AC power supply
MPU1016DAC-XXX	16-port, 1 digital KVM path, dual AC power supply
MPU2016-XXX	16-port, 2 digital KVM paths, single AC power supply
MPU2016DAC-XXX	16-port, 2 digital KVM paths, dual AC power supply
MPU2032-XXX	32-port, 2 digital KVM paths, single AC power supply
MPU2032DAC-XXX	32-port, 2 digital KVM paths, dual AC power supply
MPU4032-XXX	32-port, 4 digital KVM paths, single AC power supply
MPU4032DAC-XXX	32-port, 4 digital KVM paths, dual AC power supply
MPU8032-XXX	32-port, 8 digital KVM paths, single AC power supply
MPU8032DAC-XXX	32-port, 8 digital KVM paths, dual AC power supply

For country-specific availability, please contact an Avocent sales representative.

CABLES AND ACCESSORIES (ONE REQUIRED PER ATTACHED DEVICE)

MPUIQ-SRL-XXX	MergePoint Unity serial IQ (requires power from USB source or optional UPD-AM)
UPD-AM	Power supply for MPUIQ-SRL modules; each UPD-AM can power up to four serial interface modules
DSAVIQ-USB2	Virtual media server interface module for VGA video and USB 2.0 with 14-inch cable
DSAVIQ-USB2L	Virtual media server interface module for VGA video and USB 2.0 with 20-inch cable
DSAVIQ-PS2M	Virtual media server interface module for VGA video, PS/2 keyboard and mouse and USB 2.0 virtual media with 14-inch PS/2 and USB cables
DSRIQ-VMC	USB 2.0 server interface module supporting virtual media and smart card/CAC - with 20-inch cable
MPUIQ-VMC	USB 2.0 server interface module supporting virtual media and smart card/CAC - with 20-inch cable (supports video up to 1600x1200)

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