Avocent MergePoint
Service Processor Managers

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

MergePoint Applications

- **Logical consolidation of service processors**
- **Physical consolidation of service processors**
- **IPMI provisioning and management**
- **Integration of service processors into management framework**
- **Remote power control for servers without power distribution units (PDUs)**

Benefits

- **Single console for multiple service processor types**
- **Server access for deployment, management and troubleshooting**
- **Ability to control multiple servers simultaneously**
- **Simplified management via standards-based interfaces (e.g., SMASH CLP)**
- **Logging and auditing of service processor activity**
- **Compatible with next-generation network standards – IPV6**
- **Enhanced service processor support: Dell (M1000e Blade Chassis Controller, iDRAC for blades), HP-c7000 blade servers**

Secure, Remote Server Management Using Service Processors

The MergePoint™ service processor (SP) managers support multiple industry management standards and bring simplicity to the data center by streamlining and consolidating the management of servers with SP technologies. This is achieved by leveraging SP technologies from Dell™, HP™, IBM™, Sun™, Fujitsu™ and the Intelligent Platform Management Interface™ (IPMI, versions 1.5 and 2.0).

The MergePoint appliances provide secure Serial over LAN (SoL) console access, power control and server hardware monitoring and support DirectCommand which enables transparent, secure access to the SP's native interface, along with IPMI provisioning and SP auto discovery. When used in conjunction with DSView™ 3 centralized management software, the MergePoint appliance consolidates server access and control into one secure, out-of-band platform for simpler management of disparate and dispersed IT equipment in data centers and remote offices.

The appliances can be accessed directly from a feature-rich Web user interface or a standard command line interface that leverages the Systems Management Architecture for Server Hardware Command Line Protocol (SMASH CLP); Web Services for Management (WS-MAN) that allows a common method for systems to remotely access devices and to exchange management information; and Common Information Model object manager (CIMOM) that uses an information model with standardized management information to abstract, organize and communicate details about the managed device consistently between systems. SMASH, WS-MAN and CIMOM are standards defined by the Distributed Management Task Force (DMTF). These provide a single command line interface to manage servers from multiple manufacturers, simplifying management and streamlining interoperability while providing scripting and automation capabilities.

The MergePoint appliances not only make it easier to leverage SP features but also enhance SP-added functionality. For example, the SoL feature complements the continuous data logging capabilities, resulting in additional security and auditing. The appliances allow enterprise-class authentication, authorization and auditing (AAA) security and encryption and extend this functionality to all servers.

Also, simultaneous power control of multiple servers boosts the already existing power control capabilities of SPs, including graceful shutdown support for IPMI. These features allow the user to completely unleash the power of SP technologies.

The MergePoint appliances also ease the deployment and management of these technologies. With easy-to-use IPMI provisioning capabilities and an auto-discovery mechanism for server management technologies within the network, the MergePoint appliances are ideal for enterprise data centers as well as for high performance computing (HPC) and other clustering environments.

Avocent®

EMERSON™ Network Power

Avocent MergePoint Service Processor Managers

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

Features

Service Processor Support
- IPMI 1.5 (incl. nonstandardSoL support), IPMI 2.0
- HP integrated Lights Out (iLO, iLO2) HP IPMI, HP Blade System
- Dell Remote Access Cards (DRAC III, 4, 5), Dell BladeCenter DRAC MC, DELL 10G, M1000e Blade Chassis Controller, Blade Chassis Management Controller/iDRAC for blades/iDRAC6 for blades
- FSC iRMC, iRMC S2
- IBM RSA (RSA II), IBM BladeCenter
- Sun ALOM, Sun ILOM, Sun eLOM

Server Management
- Console access via SoL
- Console data logging (local, NFS, Syslog)
- Power on/off/cycle/status support
- Graceful shutdown support (IPMI only)
- Group execution of functions
- System event logs (SEL)
- Hardware environmental sensors
- Alert management
- Platform event traps (PET)
- Integrated support for Microsoft® Remote Desktop Protocol (RDP) and Virtual Network Computing

Service Processor Management
- IPMI provisioning
- Service processor auto discovery

User Interface
- Embedded Web interface
- Standards-based command line interface (SMASH CLP)
- Single, consolidated Web interface with DSView 3 software integration
- SSH device management command options

Specifications

5324/5340

Mechanical
Size: HxWxD
1.75 in. (4.45 cm)H, 17 in. (43.18 cm)W, 12 in. (30 cm)D
Weight: 9 lbs. (4 kg)

Environmental
Operating Temperature: 50° to 122°F (10° to 50°C)
Storage Temperature: -40° to 185°F (-35° to 85°C) **Humidity:** 5 to 90% non-condensing

Power
Power: Universal AC, single or dual 100–240 VAC, 50/60 Hz, 1.4 A max. dual DC, 36–75 VDC, max. input current 5 A

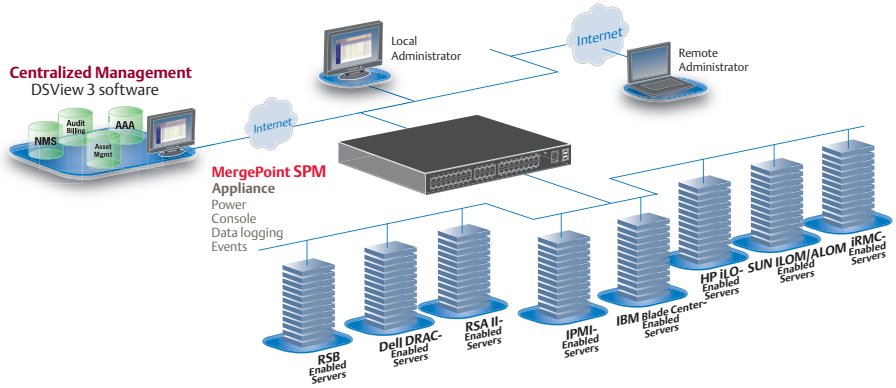
Interfaces 24/40 x 10/100BT RJ-45 server
Ethernet interfaces on RJ-45, 1 RS-232 serial console on RJ-45, 1 RS-232 serial port on RJ-45 for power manager or external modem, 1 10/100/1000BT primary user Ethernet on RJ-45, 1 10/100BT secondary user Ethernet on RJ-45 (with failover support for primary interface)

Approved Agency FCC Class B, EN 60950/IEC 60950, UL Listed (USA), CUL Listed (Canada), TUV Certified (Germany), CE Marking (Europe)

Warranty Two Years

ORDERING DETAILS

PART #	DESCRIPTION
MERGEPOINT APPLIANCES	
MGP5324SAC-XXX	MergePoint 5324 SAC, 24-port, single AC power
MGP5340SAC-XXX	MergePoint 5340 SAC, 40-port, single AC power
MGP5324DAC-XXX	MergePoint 5324 DAC, 24-port, dual AC power
MGP5340DAC-XXX	MergePoint 5340 DAC, 40-port, dual AC power
MGP5324DDC	MergePoint 5324 DDC, 24-port, dual DC power
MGP5340DDC	MergePoint 5340 DDC, 40-port, dual DC power



Emerson Network Power.
The global leader in enabling *Business-Critical Continuity™*.

- AC Power
- Connectivity
- DC Power
- Embedded Computing
- Embedded Power
- Infrastructure Management & Monitoring
- Outside Plant
- Power Switching & Controls
- Precision Cooling
- Racks & Integrated Cabinets
- Services
- Surge Protection

Emerson Network Power
Avocent Corporation www.avocent.com

EmersonNetworkPower.com

Emerson, Business-Critical Continuity and Emerson Network Power are trademarks of Emerson Electric Co. or one of its affiliated companies. ©2010 Emerson Electric Co.

Avocent, the Avocent logo and MergePoint are trademarks or registered trademarks of Avocent Corporation.

0511-MGP-DS-EN