

MergePoint® 5224/5240

Service Processor Managers



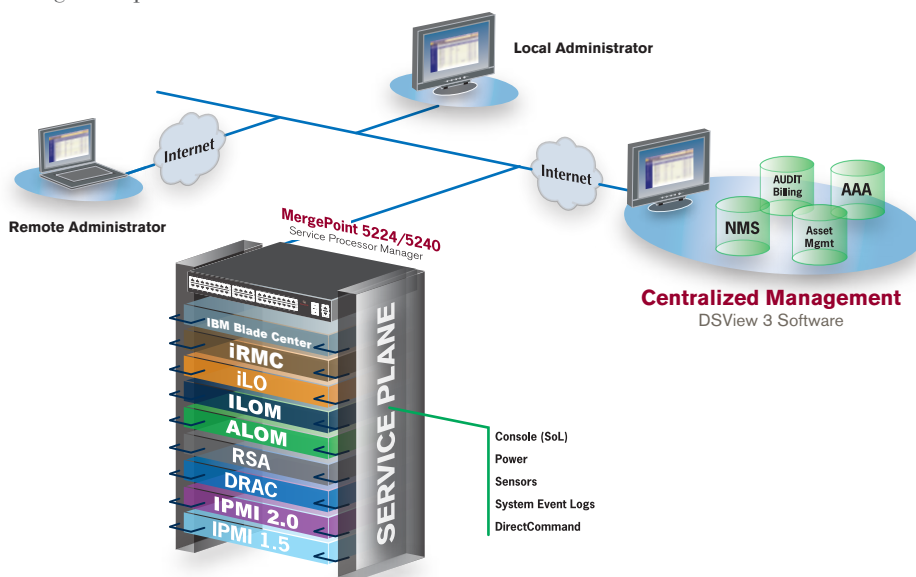
Innovative Solution for Service Processor Management

The MergePoint® 5224/5240 service processor (SP) managers simplify management of servers with SP technologies by consolidating IP connections, user access and server health information. With multiple Ethernet ports, the MergePoint 5224/5240 appliances connect point-to-point with Ethernet-based service processors, such as HP® Integrated Lights-Out (iLO), Intelligent Platform Management Interface (IPMI, versions 1.5 and 2.0), Dell® Remote Access Card (DRAC III, 4 and 5), IBM® Remote Supervisor Adapter II (RSA II), Sun® Advanced Lights Out Management (ALOM), Sun Integrated Lights Out Management (ILOM), Fujitsu-Siemens integrated Remote Management Card (iRMC) and IBM BladeCenter.

By consolidating SP Ethernet ports, the MergePoint 5224/5240 SP managers require only one external IP address and Ethernet switch port for all connected devices, significantly reducing deployment costs associated with SPs. By isolating and protecting the connected SPs from the external production network, the MergePoint 5224/5240 appliances provide secure and efficient rack-level management with seamless integration into the management infrastructure.

As part of the MergePoint 5200 series of SP managers, the MergePoint 5224/5240 appliances provide secure Serial over LAN (SoL), power control, hardware monitoring and the new DirectCommand feature, 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 management software, the MergePoint 5224/5240 appliances provide essential server coverage, which complements the overall management infrastructure.

The MergePoint 5224/5240 appliances allow enterprise-class authentication, authorization and auditing (AAA) security and encryption, and extend this functionality to all servers. Other standard features include data logging, event detection and notification and shared access to management ports.



Applications

- Server and cluster management
- Secure, cost-effective SP deployment with minimum use of production Ethernet ports
- Physical consolidation of SPs (IPMI, DRAC, iLO, RSA, ALOM, ILOM, iRMC)
- Integration of SPs into the management framework

Benefits

- Ethernet port and IP address savings and superior security when deploying SPs
- Easier deployment of new SPs
- Consolidated server management regardless of the SP type
- Better auditing, faster troubleshooting
- Complete, full-featured remote server management from a single user interface
- Direct, transparent and secure access to native service processor Web interfaces
- Easier compliance with internal security policies and integration with existing security systems

Hardware Specifications

CPU: Freescale Power QUICC III @ 655 MHz

Memory: 256 MB DDRAM/128 MB compact flash

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)
Dual 32-bit PC card slots for expansion cards

Power:

AC Models – Universal AC, single or dual 100–240 VAC, 50/60 Hz, 1.4 A max.

DC Models – Dual DC, 36–75 VDC, max. input current 5 A

Operating Temperature: 50°F to 122°F (10° to 50°C)

Storage Temperature: –40°F to 185°F (–40°C to 85°C)

Humidity: 5% to 90% noncondensing

Dimensions:

(WxDxH) 17 x 12 x 1.75 in.
(45.18 x 30 x 4.45 cm)

Weight: 9 lb (4 kg)

Enclosure: Steel

Supported Hardware: SP support for IPMI 1.5, 2.0; DRAC III, 4, 5; iLO, iLO 2; ALOM, iLOM; iRMC; RSA II, IBM BladeCenter

Certifications: FCC Part 15 Class A
CE: EN55022 Class A and EN55024 Class A
CSA
C-Tick
ICES-T03

Features

Server Management

- Physical consolidation of service processors
- SoL, power control, hardware monitoring and alerts
- SoL with data logging
- Event and alert management

Service Processor Management

- IPMI provisioning
- SP auto discovery
- Auto discovery and configuration of DHCP enabled SPs
- Serial console over LAN
- DirectCommand – automatic login to the native SP Web interface
- Direct access to remote KVM and Virtual Media from SP
- Support for remote KVM and Virtual Media from SP
- Granular access control to power, sensors, console, event logs and DirectCommand functions
- Ability to create custom SP profiles to interact with unsupported SPs

Security

- SSHv1 and SSHv2
- Local, RADIUS, TACACS+, LDAP, NIS, Active Directory, SMB and Kerberos authentication
- Token-based strong authentication (RSA SecurID®)
- Local fallback user authentication (remote failure)
- Group authorization from authentication servers
- Console data logging
- System event logs

User Interface

- Built-in Web Management Interface (HTTP/HTTPS)
- Integration with DSView 3 management software
- Configuration wizard for first-time Web users
- Standards-based command line interface (SMASH CLP)
- SSH commands for device management
- NTP for time server synchronization

Upgrades

- Upgrades available on FTP site
- Flash upgradeable
- TFTP support for network boot

Part Number	Model	Description
MGP5224SAC-001	MergePoint 5224 SAC	24-port SP manager, single AC power
MGP5240SAC-001	MergePoint 5240 SAC	40-port SP manager, single AC power
MGP5224DAC-001	MergePoint 5224 DAC	24-port SP manager, dual AC power
MGP5240DAC-001	MergePoint 5240 DAC	40-port SP manager, dual AC power
MGP5224DDC	MergePoint 5224 DDC	24-port SP manager, dual DC power
MGP5240DDC	MergePoint 5240 DDC	40-port SP manager, dual DC power
MGPUG-20	MergePoint 5224/5240	20-target add-on license