ServeRAID-MR10M SAS/SATA Controller (Withdrawn)
Product Guide (withdrawn product)

The ServeRAID-MR10M SAS/SATA Controller is a high performance PCIe RAID Controller for external direct-attached storage, including IBM System Storage EXP3000. This RAID adapter provides investment protection by supporting SAS and SATA hard drive configurations, and providing performance enhancements enabled by a standard battery. The battery enables cached data protection during unexpected power outages when the controller is operating in its higher performance, write back mode.

Figure 1 shows the ServeRAID-MR10M SAS/SATA Controller.

Figure 1. ServeRAID-MR10M SAS/SATA Controller

Did you know?

This adapter is a high-performance RAID controller offering external SAS ports and a wide range of RAID features, and is suitable for most System x servers.

Part number information

Table 1. Part number and feature code

Description	Part number	Feature code
ServeRAID MR10M SAS/SATA Controller	44E8825 43W4339*	3559

* Part number 43W4339 has been withdrawn

Specifications

The ServeRAID MR10M has the following specifications:
- MD2 form factor card (2U low-profile height)
- Two SFF-8088 SAS x4 external connectors
- PCI Express x8 host interface
- SAS Controller: LSI 1078e
- 3 Gbps per port data transfer rate
- Supports SAS 3 Gbps and SATA 2
- 256 MB cache
- Li-Ion battery backup
- Maximum stripe size: 1024 KB
- RAID levels : RAID 0, 1, 5, 6, 10, 50, and 60

Operating environment

The ServeRAID-MR10M SAS/SATA Controller is supported in the following environment:
- Temperature:
  - At 0 - 1000 m (0 - 3000 ft): 10 - 35° C (50 - 95° F)
  - At 1000 - 2100 m (3000 - 7000 ft): 10 - 32° C (50 - 90° F)
- Relative humidity: 20 - 80% (non-condensing)

Warranty

The ServeRAID-MR10M SAS/SATA Controller has a one-year limited warranty. When installed on a System x server, these cards assume your system's base warranty and any IBM ServicePac upgrade. Batteries are consumables and therefore are not covered under the warranty.

Supported servers

The ServeRAID-MR10M Controller is supported on the IBM System x servers listed in Table 2.

Table 2. Supported System x servers

		x3100 M3	x3200 M2	x3200 M3	x3250 M2	x3250 M3	x3350	x3400	x3400 M2	x3400 M3	x3455	x3500	x3500 M2	x3500 M3
ServeRAID-MR10M Controller	44E8825	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y

Table 2 (continued). Supported System x servers

	x3550	x3550 M2	x3550 M3	x3620 M3	x3630 M3	x3650	x3650 T	x3650 M2	x3650 M3	x3655	x3690 X5	x3755	x3755 M3	x3850 M2	x3950 M2	x3850 X5
ServeRAID-MR10M Controller	Y	Y	Y	N	N	Y	N	Y	Y	N	N	Y	N	Y	Y	N

See the IBM ServerProven website for the latest information about the adapters supported by each System x server type: http://ibm.com/servers/eserver/serverproven/compat/us/

Related publications

For more information refer to the following documents:
- *ServeRAID MR10M User's Guide*
  http://www.ibm.com/support/docview.wss?uid=psg1MIGR-5074105

- ServeRAID software and drivers
  http://www.ibm.com/support/docview.wss?uid=psg1SERV-RAID

- IBM Announcement Letter
  US: http://ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=ca&&htmlfid=897/ENUS107-594 EMEA: http://ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=ca&&htmlfid=877/ENUSZG08-0660

Related product families

Product families related to this document are the following:

- RAID Adapters

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