

ServeRAID-MR10i SAS/SATA Controller (Withdrawn) Product Guide (withdrawn product)

The ServeRAID-MR10i SAS/SATA Controller is a low-cost PCI Express RAID controller for Internal System RAID 0, 1, 10, 5, 50, 6, and 60. This full-height, half-length adapter uses an LSI 1078 controller with an x8 PCI Express host interface and eight internal SAS/SATA II 3 Gb/s ports. MegaRAID Storage Manager (MSM), included with ServeRAID-MR10i, is a robust RAID management, configuration, and reporting application.

Figure 1 shows the ServeRAID-MR10i SAS/SATA Controller.

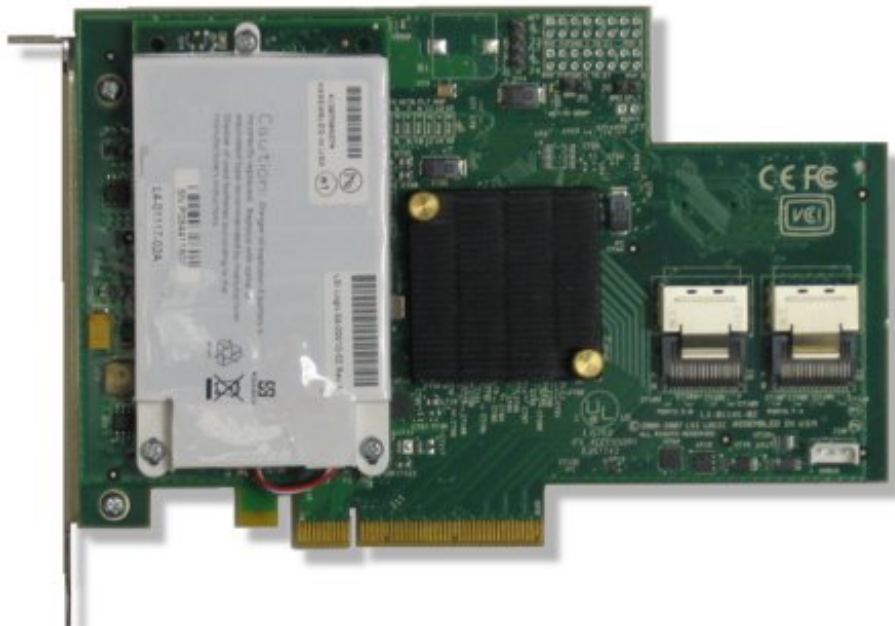


Figure 1. ServeRAID-MR10i SAS/SATA Controller

Did you know?

This adapter is a mainstream RAID controller offering a wide range of RAID features and is suitable for most entry and midrange System x servers.

Part number information

Table 1. Ordering part numbers and feature codes

Description	Part number	Feature code
ServeRAID MR10i SAS/SATA Controller	43W4296	3571
ServeRAID-MR10i NiMH Battery	43W4299*	None
ServeRAID-MR10i Li-Ion Battery	44E8826	5864

* Withdrawn from marketing

Specifications

The ServeRAID-MR10i SAS/SATA Controller has the following specifications:

- Full-height (3U), half-length card
- Two internal x4 SFF-8087 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
- Optional battery backup; two options: NiMH (now withdrawn from marketing) or Li-Ion
- Maximum stripe size: 1024 KB
- RAID levels : RAID 0, 1, 5, 6, 10, 50, and 60

Note: Not all servers that support this controller also support the battery. See ServerProven for details.

Operating environment

The ServeRAID-MR10i 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-MR10i 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-MR10i SAS/SATA 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-MR10i Controller	43W4296	N	Y	Y	Y	Y‡	Y	Y	Y	Y	N	Y	Y	Y

‡ The ServeRAID MR10i is only supported on models of the x3250 M2 with 2.5" drive bays. The MR10i is not supported on models with 3.5" drive bays.

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-MR10i Controller	43W4296	Y	Y	Y	N	N	Y	N	Y	Y	N	N	N	N	N	N	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 MR10i User's Guide*
<http://www.ibm.com/support/docview.wss?uid=psg1MIGR-5074114>
- 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/ENUS108-055> EMEA: <http://ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=ca&&htmlfid=877/ENUSZG08-0114>

Related product families

Product families related to this document are the following:

- [RAID Adapters](#)

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