

## Produktinformation



### Information

<i>Tillverkare</i>	Brocade
<i>Artnr</i>	05-50076-00

## Broadcom MegaRAID 9580-8i8e - Storage controller (RAID) - 16 Channel - SATA 6Gb/s / SAS 12Gb/s / PCIe 4.0 (NVMe) - RAID 0, 1, 5, 6, 10, 50, JBOD, 60 - PCIe 4.0 x8

The MegaRAID 9500 series is the industry's first PCIe Gen 4.0 RAID adapter family, offering PCIe Gen 4.0 host and storage interfaces. The MegaRAID 9580-8i8e adapter, based on the SAS3916 high-port count PCIe 4.0 x8 RAID-on-Chip (RoC), delivers twice the performance of previous generations. The 9580-8i8e is compatible with existing PCIe SFF-8639 Module (U.2) backplanes, allowing users to boost performance for today's ever increasing bandwidth environments. Coupled with two industry initiatives expanding the deployment of Tri-Mode SerDes technology, the 9580-8i8e is instrumental in getting the most performance and flexibility out of U.3 backplanes: With Tri-Mode SerDes technology, the MegaRAID 9580-8i8e can operate in all three modes concurrently, serving NVMe, SAS or SATA drives. The adapter negotiates between speeds and protocols to seamlessly work with any of the three types of storage devices. Tri-Mode support provides a non-disruptive way to evolve existing data center infrastructure.

## Specifikation

### General

<b>Device Type</b>	Storage controller (RAID) - plug-in card
<b>Host Bus</b>	PCIe 4.0 x8

### Storage Controller

<b>Interface</b>	SATA 6Gb/s / SAS 12Gb/s / PCIe 4.0 (NVMe)
<b>Buffer Size</b>	8 GB
<b>Supported Devices</b>	Disk array (RAID)
<b>Channel Qty</b>	16
<b>Max Storage Devices Qty</b>	240
<b>RAID Level</b>	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10, RAID 50, JBOD, RAID 60

### Expansion / Connectivity

<b>Interfaces</b>	1 x SATA 6Gb/s / SAS 12Gb/s / PCIe 4.0 (NVMe) - Slim SAS (SFF-8654) (internal) 2 x SATA 6Gb/s / SAS 12Gb/s / PCIe 4.0 (NVMe) - 4 x Mini SAS HD (SFF-8644) (external)
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Miscellaneous	
<b>Features</b>	Tri-Mode SerDes technology
<b>MTBF</b>	3,000,000 hours
<b>Compliant Standards</b>	FCC Class B certified, EN 60950, EN55022, IEC 60950, EN55024, UL 60950, ICES-003 Class B, RoHS, WEEE, FCC CFR47 Part 15 B, VCCI V-3, AS/NZS CISPR 22, CNS 13438
Power	
<b>Power Consumption Operational</b>	14.25 Watt
Software / System Requirements	
<b>OS Required</b>	FreeBSD, Red Hat Linux, SuSe Linux, Microsoft Windows, Debian Linux, Oracle Enterprise Linux, CentOS, Ubuntu, VMware ESXi, Citrix XenServer, Linux Fedora, VMware vSphere (ESXi)
Manufacturer Warranty	
<b>Service &amp; Support</b>	Limited warranty - 3 years Technical support - 3 years
Dimensions & Weight	
<b>Depth</b>	16.765 cm
<b>Height</b>	6.89 cm
Environmental Parameters	
<b>Min Operating Temperature</b>	0 °C
<b>Max Operating Temperature</b>	55 °C
<b>Humidity Range Operating</b>	5 - 90% (non-condensing)