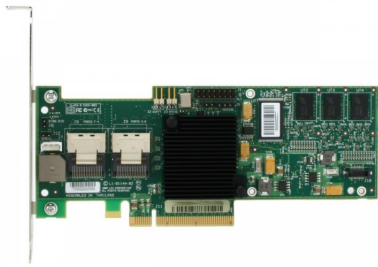# Broadcom 8708EM2 Datasheet

Broadcom LSI 8708EM2 LSI00187 PCI Express x8 LSISAS1078 8 Internal 3Gb/s SAS/SATA Ports RAID On Chip Adapter 8708EM2

The eight-port MegaRAID SAS 8708EM2 (67Y2639) eliminates the need to choose between cost and performance by supporting both high-capacity SATA drives and high-performance SAS drives. This adapter is ideal for internal SAS/SATA storage systems using up to 32 SAS or SATA hard drives. Featuring the LSISAS1078 ROC, a PCI Express host interface and 667MHz DDRII, the MegaRAID SAS 8708EM2 is a high-performance RAID adapter with advanced data protection capabilities for low-cost server and nearline applications.

Performance specifications

- Eight internal SAS/SATA ports
- Two Mini-SAS SFF-8087 x4 connectors
- 3Gb/s throughput per port
- LSISAS1078 RAID on Chip (ROC)
    - 500MHz power-PC
    - Hardware RAID 5 & 6 parity engines
- MD2 Low profile (6.6" X 2.536")
- x8 PCI Express host interface
- 256MB DDRII Cache (667MHz)
- Optional battery backup unit
- Connect up to 32 SAS and/or SATA devices
- RAID levels 0, 1, 5 and 6 and RAID spans 10, 50 and 60

- Auto-resume on rebuild and Auto-resume on reconstruction

- Online Capacity Expansion (OCE) and Online RAID Level Migration (RLM)

- Global and dedicated hot spare with revertible hot spare support

    - Automatic rebuild

    - Enclosure affinity

    - Emergency SATA hot spare for SAS arrays

- Single controller multi-pathing (failover) and I/O load balancing

Physical specifications

- Approximate height: 64.41 mm (2.536 in)

- Approximate width: 18.71 mm (0.74 in)

- Approximate length: 167.64 mm (6.6 in)

- Approximate weight: 105g (0.23lb)

Operating environment

- Temperature: 10 deg to 35 deg (C) (50 deg to 95 deg (F))

- Relative humidity: 10% to 90% (non-condensing)

For more information of this Broadcom MegaRAID SAS 8708EM2, please visit Broadcom website:

https://docs.broadcom.com/doc/12351895

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