



ECLIPSE/SA

High-performance and scalable system/storage target with RAID and optional silent data protection/correction

The Eclipse/SA is a leading edge storage platform combining an Intel Xeon or AMD Opteron enabled system with a very dense 36 drive 6Gb SAS storage infrastructure. With multiple 6Gb SAS backplanes, expanders and drives the EclipseSA can sustain a remarkable 3.4GBytes per second of data transfer performance in RAID-6 operation. With external interface options including FDR or QDR Infiniband, 40GbE, 10GbE, 1GbE and supporting Linux, Solaris and Nexenta the Eclipse/SA makes an excellent storage platform for Lustre, Gluster, NFS, Hadoop and other storage applications.

KEY FEATURES

- Up to 3400MBytes/second sustained
- System and storage in one chassis
- RAID levels 0, 1, 10, 5, 50, 6, 60
- Optional Silent Data Corruption Protection
- FDR, QDR Infiniband, 40GbE/10GbE/1GbE
- Supports Lustre, Hadoop & Gluster filesystem
- Removable/redundant power / drive modules
- Expandable to 624TB (SAS)



SPECIFICATIONS

System Configuration

Dual socket Intel Xeon E5-2600 or AMD Opteron 6200 series processors, DDR3 registered/ECC memory and PCI express v3.0

RAID Controller technology

LSI Logic 92xx PCIe hardware RAID controllers
NumaRAID software RAID-6 w/ SDP **optional*

RAID Levels

RAID 1, 10, 5, 50, 6, 60, 6 with SDP*

External Interface Options

FDR / QDR Infiniband, 40Gb / 10Gb Ethernet, 1Gb Ethernet, 8Gbps Fiberchannel

Unit Expansion

6Gb SAS Wide **optional*
Expandable up to 156 drives

Disks

2TB, 3TB or 4TB 7200 RPM 6Gb SAS
Enterprise SAS disk drives
36 hot-swap drive bays plus 1-4 hot-swap SSDs

Form Factor

RAID Unit: 4U - 36 drives, 3.5-inch
Expansion Unit A: 4U - 45 drives, 3.5-inch
Expansion Unit B: 4U - 60 drives, 3.5-inch

Data Protection (*optional*)

RAID-6 PQ verification based on Galois Field algorithm on-the-fly data correction

Performance

Up to 3400MB per second