

EcoHBA™ SAS Host Bus Adapter HB-1000

High Speed SAS Host Bus Adapter Perfect Companion for EcoRAID™ and FlashDisk Storage

EcoHBA Delivers Affordable Performance

Selected for its speed and affordability the EcoHBA low-profile adapter for SAS supports dual 12 Gb per second SAS ports. Performance is impressive supporting sustained data throughput to external devices at 4,800 MB per second and 140,000 per second I/O operations per second. Using SAS for direct connections eliminates the cost of fibre channel switches. FlashServers plus FlashDisk with four SAS ports and two EcoHBA boards is an especially economical "SAN-In-A-Box" solution.



EcoHBA delivers exceptional speed to SAS hosted servers. Combined with EcoServers and EcoRAID or FlashDisk storage, it is part of a fully integrated IT infrastructure solution - available in a fully integrated

EcoHBA for SAS Advantages

Single Vendor Support

- Single warranty and support contract
- One phone number to call
- 24x7 call center
- On-site service

High Performance

- 4,800 MB per second data throughput
- 140,000 I/O operations per second
- 2 SAS ports, 4 lanes each @ 3 Gb/sec
- Supports 244 SAS and SATA devices
- Multipathing I/O (MPIO) option supports failover and load balancing

Reliable

- Leading LSI Corporation product
- Second generation design
- Over 200,000 hour MTBF
- Supports all key 32-bit and 64-bit Microsoft Windows, Linux, Solaris, Netware, SPARC and other system architectures
- LSI tested and validated OS drivers

Ecological

- Low profile design
- Highly integrated - fewer parts
- Enables use of small, low power servers

Economical

- Small form factor reduces costs
- High performance without Fibre Channel
- SAN-In-A-Box configuration

Management

- Command Line Interface (CLI) Utility
- Drive monitoring, HBA management
- Enables large scale storage

Ecological

The low profile of the EcoHBA permits the use of smaller servers like the EcoServer, saving power and cooling. Despite the smaller form factor, performance is exceptional.

Economical

The EcoHBA delivers performance and reliability from LSI Corporation at affordable prices - an unbeatable combination. The use of SAS and direct connections saves money versus the cost of similar fibre channel connections and eliminates the need for fibre channel switches. With four powerful servers and "SAN-In-A-Box" connectivity, this simplified topology can still support very serious departmental requirements.

Systems Integration

EcoHBA combined with EcoRAID and FlashDisk storage and accessories including switches and racks - enables IT managers to obtain an integrated solution from a single vendor that supports the entire hardware infrastructure. IT managers concentrate on the applications and the business value created.

Single Source Support

The entire integrated solution of EcoHBA, EcoServers, EcoRAID and FlashDisk storage and accessories are supported under a single warranty and service contract. This eliminates the finger pointing often found in self-integrated hardware solutions. The standard warranty includes 24x7 call center support and next day on-site service. Four hour response service is also available as an option.

Specifications	
•SAS ports	2, 12 Gb/sec. SAS ports (each 4 lanes x 3 Gb/sec.)
•Data throughput	4,800 MB/sec.
•IOPS	140,000 I/O operations per second
•Device support	244 SAS or SATA devices (RAID array is one device)
•Operating systems	Supports all key 32-bit and 64-bit Microsoft Windows, Linux, Solaris, Netware, SPARC
•MTBF	Over 200,000 hours
•MPIO option	Failover redundancy and load balancing
•Software	PowerPanel Business Edition
•PCI form factor	Full height and low profile, 6.6" x 2.7", 3.3V add-in card
•PCI power & certification	7.5W, PCI Express 1.0a
•External Connectors	2 miniSAS x 4 connectors (SFF8088)
•Operating Temperature	32° to 140° F (0° to 60° C)
•Non-Operating Temperature	-49° to 221° F (-45° to 105° C)
•Compliance	EMC Class B-US, Canada ICES-003

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