

# Sun StorEdge™ 2 Gb PCI Single and Dual Fibre Channel Network Host Bus Adapter (HBA)

## Product Brief



The Sun StorEdge™ 2 Gb PCI Single and Dual Fibre Channel Network Host Bus Adapter (HBA) has been optimized for peak performance and real-world scalability in storage area networks (SANs). Engineered for maximum bandwidth, our HBA eliminates host bus bottlenecks that may impede the high-performance of 2 Gb Fibre Channel and creates a balanced solution. With support for multiple protocols — SCSI, IP, and FC-Tape — our HBA is optimized for high-speed data movement and system management, providing the flexibility needed to run complex storage networks. Sun StorEdge™ Traffic Manager software helps dramatically simplify administration by providing superior SAN-wide failover and load balancing between HBAs to improve availability and address storage growth without adding complexity.

Sun StorEdge Complete Storage Solutions — providing you with comprehensive hardware, software, and services to solve your business challenges enterprise-wide.

### High data transfer rate

Supports up to 400 MB/sec Fibre Channel data transfer rates in Full Duplex mode.

### Choice of models

Single- and Multi-channel models.

### Hands-off management

Automatically negotiates Fibre Channel bit rate (1 or 2 Gb).

### Complete compatibility

Backwards compatible with standard 33- and 66-MHz PCI.

## Specifications

Fibre Channel chip	QLogic ISP2312A (single-port card) QLogic ISP2342A (dual-port card)
RAM (per Fibre Channel port)	256 KB
Onboard intelligence	Single chip engine includes enhanced RISC processor, Fibre Channel Protocol manager, PCI DMA controller, 2 Gb transceivers, and on-chip frame buffers.
Topology	FC-AL, Point-to-Point, Fabric
Fabric support	F-Port
Class of service	Class 3
Transfers	Full Duplex in point-to-point and fabric topologies.
Protocols	SCSI, FCP2 (FC-Tape), IP
Host bus	Conforms to PCI-X Specification 1.0 and PCI Local Bus Specification 2.2.
FC data transfers	Up to 400 MB/sec per channel with Full Duplex.

### Power Consumption

Single-channel PCI	< 6 Watts
Dual-channel PCI	< 12 Watts

### Form Factor

Standard half card PCI	6.875" x 4.200"
3U compact PCI	6.600" x 2.536"

### Environment

Operating	0°C to 55°C (32°F to 131°F) 5% to 90% relative humidity, noncondensing
Nonoperating	-20°C to 65°C (-40°F to 149°F) 0% to 95% relative humidity, noncondensing

### Host Software

Software drivers	PCI: Sun StorEdge Network Foundation Software 6.0
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