LSI44929
2Gbit Fibre Channel Host Adapter
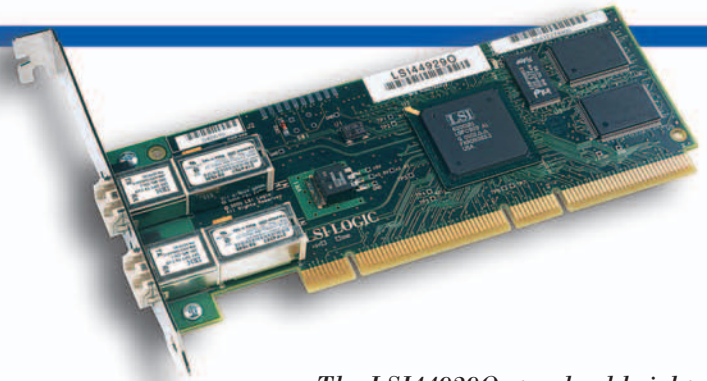
http://lsilogic.com/storage

KEY APPLICATIONS

- Pedestal and rackable servers
- Workstations
- Storage Area Networks (SANs)
- Remote storage attach
- Cluster environments
- RAID
- JBOD connect

FEATURES

- Two independent, 2Gbit channels (up to 400MB/s, full duplex)
- LC, SFF, multi-mode optics or HSSDC copper options
- 64-bit, 66MHz host PCI bus (backwards compatible with 32-bit and 33MHz buses)
- Low profile PCI form factor
- Auto-negotiation for legacy connect (1 or 2Gbit)
- Concurrent SCSI and IP protocol
- Software supports switch and loop (private and public) topologies
- FC-Tape support
- SNIA HBA API compliant
- MPT Flash utility – remote updates firmware and FCODE
- Fusion-MPT™ architected
- SANmark™ approved
- 3 year limited warranty

The LSI44929O standard height bracket, LC, SFF, multi-mode optics

INCREASE PERFORMANCE IN YOUR ENTERPRISE AND RACK MOUNT SERVERS

When needing a new level of reliability, speed and distance in interconnect technology, try one of the LSI Logic's LSI44929 Fibre Channel MiniHAB™ products. These Dual Channel, 2Gbit PCI-to-Fibre Channel host adapters are designed in a Low Profile PCI form factor making them the right choice for 1U and 2U rackmount and standard servers, while providing the performance needed for enterprise applications. These adapters offer increased connectivity by providing two independent fibre channels on one host adapter for clustered or SAN environments.

The LSI44929 MiniHAB adapters host the LSIFC929, PCI-to-Dual Channel Fibre Channel controller. The LSIFC929 connects directly to a 64-bit/66MHz PCI bus presenting one electrical load. The host PCI interface is PCI 2.2 compliant and is backwards compatible with 32-bit and 33MHz buses.

FUSION-MPT ARCHITECTURE

Based on industry standard ARM® technology, LSI Logic's Fusion-MPT (Message Passing Technology) architecture provides unparalleled performance, binary compatibility of host software with LSI Logic's Ultra320 SCSI, iSCSI, and Fibre Channel products, and significantly reduces software development time. With this advanced architecture, the LSI Logic product family can be quickly adapted to respond to emerging I/O interfaces such as Serial Attach SCSI (SAS).

Fibre Channel Interoperability Matrix
http://interop.lsilogic.com

LSI44929
2Gbit Fibre Channel Host Adapter

TECHNICAL SPECIFICATIONS

Data Transfers	400MB/s per channel, full-duplex
Protocols	SCSI, IP
Topology	Point-to-point, arbitrated loop, switched fabric (FL-port, F-port)
OS Support	Windows NT, Windows 2000, Solaris X86, Solaris SPARC, Linux, Novell NetWare
Compliance	ANSI Fibre Channel Standards: FC-PH, FC-AL2, FC-FCP, FC-PLDA, FC-FLA, FCA-IP, IETF-IPFC, FC-Tape PCI 2.2 and 99 compliant
Size	6.6" x 2.53"
PCI Form Factor	Low profile, PCI 2.2, MD2
PCI Bus	64-bit, 66MHz max (backwards compatible with 32-bit, 33MHz buses)
PCI Modes	Bus Master DMA
PCI Card Types	Universal add-in card (3.3V and 5.5V signaling)
PCI Voltage	+5V ±5%
PCI Power	7.5W
Bracket	Standard height and low profile option
External Connectors	LC, SFF, multi-mode optics or HSSDC copper options
Agency Approvals	CE, VCCI, Canada, C-Tick, FCC class B, UL 94VO

Environments	**Operating**	**Storage**
Temperature	0°C to 55°C	-40°C to +85°C
Relative Humidity	5 to 90% non-condensing	0 to 90% non-condensing
Max Dew Point	+32°C	

LSI44929 ORDERING INFORMATION

LSI44929O	Standard height bracket, LC, SFF, multi-mode optics
LSI44929LO	Low profile bracket, LC, SFF, multi-mode optics
LSI44929H	Standard height bracket, HSSDC, copper

NOTE: Switch, loop, and point-to-point topologies are supported.

For more information please visit the LSI Logic web site at:
http://lsilogic.com/storage   **http://adapters.lsilogic.com**

ISO 9001 Certified

Warranty
For more than 15 years, LSI Logic host adapters have been providing high-performance SCSI solutions to leading server, disk array and computer systems worldwide. Each host adapter carries a powerful chip built in LSI Logic's ISO 9001-certified fabrication facilities. Using only the highest quality components, LSI Logic host adapters are assembled and tested in world-class facilities to assure superior product reliability and performance. Because of stringent quality management programs, our host adapters carry a three-year limited warranty.

FCIA
FIBRE CHANNEL INDUSTRY ASSOCIATION

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