

IT17004G2-LC

2 Gbit Fibre Channel Quad Adapter

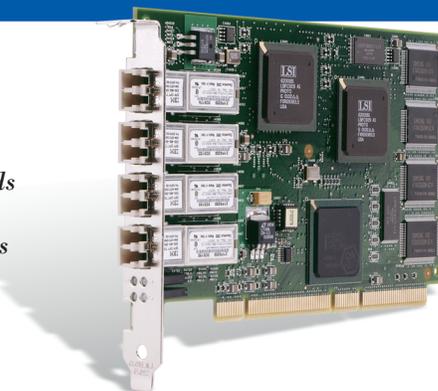
KEY APPLICATIONS

- Storage Area Networks (SANs)
- Cluster environments
- High-end servers
- RAID
- JBOD connect
- Remote storage attach

FEATURES

- Four independent, 2 Gbit channels (up to 400 MBps, full duplex)
- Auto-negotiation for legacy connect (1 or 2 Gbit)
- 64-bit, 66 MHz host PCI bus (backwards compatible with 32-bit and 33 MHz buses)
- Multi-mode optics
- Concurrent SCSI and IP protocol
- Supports target mode and SCSI initiator, concurrently
- FC-Tape support
- Supports all major operating systems
- CIM based server management
- Fusion-MPT™ architected
- SANmark™ approved
- 5 year limited warranty
- SNIA HBA API compliant

The IT17004G2-LC quad adapter builds high availability cluster environments with redundant connections and allows for lower latency and less system cost.



EXPAND THE CAPABILITIES OF YOUR ENTERPRISE STORAGE ENVIRONMENT WITH MULTIPLE SAN CONNECTIONS

Designed for the most I/O intensive applications and for maximum connectivity of multiple storage subsystems, LSI Logic introduces the IT17004G2-LC Quad PCI-to-Fibre Channel adapter. This adapter is designed with four, 2 Gbit Fibre Channel ports in a PCI short card form factor saving you valuable PCI slots and providing multiple direct connections for failover environments. The IT17004G2-LC adapter is the highest density module in the industry with direct connectivity to up to four fibre loops. This allows you to connect to 126 devices on each loop for multiple storage subsystems connection. The IT17004G2-LC supports switched fabric and direct attach loop topologies and supports all major operating systems.

The IT17004G2-LC hosts two of LSI Logic's LSIFC929, 2 Gbit controllers, the highest performance dual channel controller available on the market. This innovative controller incorporates LSI Logic's Fusion-MPT or maximum performance with minimum host overhead. Fusion-MPT technology utilizes three on-chip ARM® processors achieving up to 66,000 I/O operations per second per chip, for a maximum of 132,000 I/Os per second for the adapter.

FUSION-MPT ARCHITECTURE

Based on industry standard ARM® technology, the LSI Logic 2 Gbit product family incorporates Fusion-MPT architecture, a single binary device driver for Fibre Channel, SCSI and emerging interface technologies such as InfiniBand, Serial ATA and others. Thinner drivers allow for better and more versatile performance while adding value at the firmware level. Fusion-MPT provides the flexibility and rich feature set to make options like Integrated Mirroring possible for boot volume protection at no additional cost.

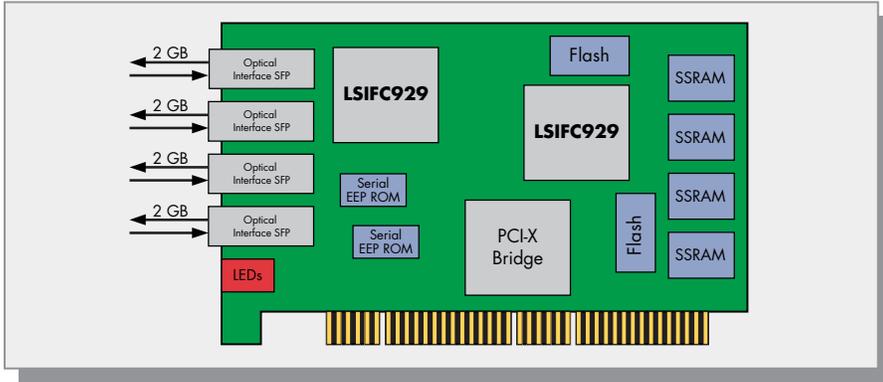
IT17004G2-LC ORDERING INFORMATION

IT17004G2-LC	LC, SFF, multi-mode optics
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NOTE: Switch, loop, and point-to-point topologies are supported.

ITI7004G2-LC

2 Gbit Fibre Channel Quad Adapter



The highest density module available today with 4 channels on a small PCI short card form factor- 4.2" x 6.875".

Technical Specifications

Data Transfers	400 MBps per channel, full-duplex	
Protocols	SCSI, IP	
Topology	Point-to-point, arbitrated loop, switched fabric (FL-port, F-port)	
Class of Service	Class 2, Class 3	
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	6.875" x 4.2"	
PCI Form Factor	Short card, PCI 2.2, MD2	
PCI Bus	64-bit, 66 MHz max (backwards compatible with 32-bit, 33 MHz buses)	
PCI Modes	Bus Master DMA	
PCI Card Types	Universal add-in card (3.3 V and 5.5 V signaling)	
PCI Voltage	+5 V \pm 5% (1.7 A max)	
PCI Power	7.5 W	
Bracket	Standard height	
External Connectors	LC, multi-mode optics, SFF	
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	
MTBF	= 87,600 hours or 10 years, which ever comes first	

For more information please visit the LSI Logic web site at:

<http://storageio.lsillogic.com>

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