

MAJOR FEATURES

Simultaneous full duplex 2Gb/s Fibre Channel delivers up to 400MB/s

Full fabric support using F_Port and FL_Port connections

Onboard hardware context cache for superior fabric performance

Support for concurrent multiple protocols (SCSI and IP)

Full support for FC service Class 2 and 3

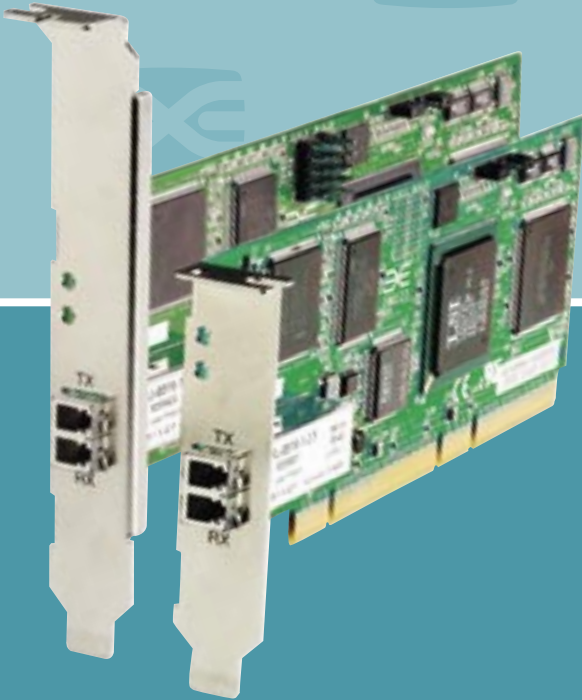
Support for FC-Tape (FCP-2) devices

64 bit, 66MHz low profile or standard short form factor PCI

End-to-end parity protection for high data integrity

Robust suite of software including IP and storage protocols under Windows Server 2003, Windows 2000, Windows NT, Linux and NetWare

Short wave embedded optic interface



LightPulse™

LP952L

2Gb/s Fibre Channel PCI Host Bus Adapter

The LightPulse™ LP952L Fibre Channel PCI host bus adapter delivers exceptional performance for open server environments. Based on Emulex's Centaur ASIC, the LP952L features a 64 bit, 66MHz low profile PCI interface and provides the richest feature set available. The LP952L can be configured to support standard PCI slots or the low profile PCI slots used in some thin rackmount servers.

The LP952L provides high-performance Fibre Channel connectivity for entry-level Windows Server 2003, Windows 2000, Windows NT, Linux and NetWare systems. Based on the Emulex LP9002 architecture, the LP952L provides a unique combination of features, including fabric support using F_Port and FL_Port connections, full-duplex data transfers, high data integrity features, support for all Fibre Channel topologies and support for service class 2 and 3.

The LP952L also features sophisticated hardware that provides superior performance in storage area networks, delivering low latency and high throughput in fabric, arbitrated loop and clustered environments.

SPECIFICATIONS

STANDARDS

ANSI Fibre Channel FC-FS
ANSI Fibre Channel FC-PM/PI
ANSI Fibre Channel FC-AL
ANSI Fibre Channel FC-PLDA
ANSI Fibre Channel FC-FLA
PCI local bus revision 2.2 (see power requirements)
Fibre Channel Class 2, 3
PHP hot plug - hot swap

ARCHITECTURE

Emulex Centaur ASIC technology up to 66MHz PCI bus master DMA
512KB FLASH memory
256KB code RAM
128KB buffer RAM

SOFTWARE ENVIRONMENTS

Windows Server 2003
Windows 2000
Windows NT
Linux
NetWare

HARDWARE ENVIRONMENTS

x86 PCI hardware platforms
3.3 or 5v tolerant signaling

OPTICAL

Sata rates: 1.0625/2.125Gb/s
Optics: short wave lasers
Cable: 50/125µm multi-mode fiber
62.5/125µm multi-mode fiber
Connector: LC
Distance: (1Gb/s)
500 meters (1640') 50/125 µm fiber
300 meters (984') 62.5/125 µm fiber
(2Gb/s)
300 meters (984') 50/125 µm fiber
150 meters (492') 62.5/125 µm fiber

PHYSICAL DIMENSIONS

Short, low profile MD2 form factor
167.64mm x 64.41mm (6.60" x 2.54")
Standard or low profile bracket

POWER REQUIREMENTS

Volts: +3.3 VDC (± 5%)
Power: 7.2 watts typical (9.3w max)

ENVIRONMENTAL CONDITIONS

Operating temperature: 0° to 45°C (32° to 113°F)
Airflow required: 100 LF/m
Storage temperature: -10° to 55°C (14° to 131°F)
Relative humidity: 5% to 95% non-condensing

AGENCY APPROVALS

Class 1 Laser Product per
DHHS 21CFR (J) & EN60825
UL recognized to UL 1950
CUR recognized to CSA22.2, No. 950
TUV certified to EN60950
FCC rules, Part 15, Class A
ICES-003, Class A
EMC Directive 89/336/EEC (CE Mark)
- EN55022, Class A
- EN55024
Australian EMC Framework (C-Tick Mark)
- AS/NZS 3548, Class A
VCCI, Class A

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DRIVER SUPPORT

The LightPulse™ LP952L is complemented by a rich suite of software support including storage protocol (SCSI), network protocol (IP) as well as concurrent multi-protocol (SCSI & IP) operation, enabling advanced storage area network (SAN) implementations in Windows Server 2003, Windows 2000, Windows NT, Linux and NetWare environments. All drivers are also fully compatible with the Emulex LP10000, LP9002L, LP9802, LP9402, LP9000, LP8000, LP7000E, LP1050, LP952 and LP850 host bus adapters.

ORDERING INFORMATION

LP952L-F2
embedded multi-mode optic interface (LC)



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