

# LSI7202XP-LC Kit

## 2Gb/s Fibre Channel PCI-X Storage Adapter



### APPLICATIONS

- Entry-level SAN
- Corporate SAN
- Front-end for RAID subsystem
- Scalable DAS

### USAGE

- Digital library
- Financial transaction processing
- Scientific simulations
- Multi-media delivery
- Government programs

### FEATURES

- Two external port, LC connectors
- SFP, multi-mode optics
- Full duplex delivering up to 400MB/s per channel
- 64-bit, 133MHz PCI-X
- MD2 size (low profile) PCI card (6.6" x 2.53")
- Automatic link speed negotiation (1Gb or 2Gb)
- Auto topology detection
- FC tape/FC-AL2 class 3 confirmed delivery support
- Fusion-MPT™ architecture

## Outstanding Choice for Applications Where Maximum Throughput Is Essential and Price Is Critical

### KEY ADVANTAGES

- Extraordinary Dual-channel Performance
- MyStorage™ Management Software

- Low Profile Form Factor with Bracket Height Option
- Cables Included

### Profit from LSI Fibre Channel

The LSI7202XP-LC delivers incredible performance and enterprise-class features at real world pricing. The card readily supports point-to-point, arbitrated loop and switched fabric applications through automatic topology detection. With its automatic link speed detection, the LSI7202XP-LC works well in existing SANs by providing support for legacy devices. The LSI7202XP-LC is a highly versatile adapter card that operates in any networked storage environment. It comes in a low profile form factor with bracket height options to allow placement in any enclosure. All of this comes at an unbeatable price/performance ratio that reduces system cost and provides outstanding performance to clients.

### Broadly Certified & Interoperable

Rigorously tested and broadly certified, customers can rely on the LSI7202XP-LC to support hardware from all major suppliers. LSI offers a full line of Fibre Channel host bus adapters that comply with industry standards and offer the highest levels of performance, functionality, reliability and availability.

### Powered by Fusion-MPT™

Based on LSI Logic's Fusion-MPT (Message Passing Technology) architecture, the LSI7202XP-LC

provides outstanding I/O performance along with extremely high host processor efficiency. This enables a very thin, common device driver for any given OS. The result is higher performance and a significant reduction in integration and test effort for systems already qualified with Fusion-MPT powered devices.

### MyStorage: Making SANs Simple

Storage area networks don't have to be expensive or complex. LSI believes that the attractive benefits of SANs should be easily enjoyed. The MyStorage management software fully automates the task of deploying and maintaining server to SAN connectivity. From the most modest, small-scale DAS replacement to an ambitious data center, MyStorage keeps it simple.

Through an intuitive graphical user interface (GUI), this powerful utility helps customers manage storage quickly and easily. Using MyStorage, users can inspect and control all LSI adapters with point and click simplicity. A rich suite of tools enables remote firmware update, link tuning, load balancing, path configuration, path monitoring, diagnostics and error reporting. Altogether, MyStorage delivers a complete set of management tools that are simple to use.

## Wide Range of OS & System Support

The LSI7202XP-LC supports all key 32-bit and 64-bit versions of Microsoft Windows, Linux, and Solaris. In addition, x86, IA64, SPARC, and AMD64 platforms are supported. With this broad base of OS and System Support, the LSI7202XP-LC is the ideal choice for connecting your server or workstation to a Fibre Channel storage network.

LSI7202XP-LC KIT HOST BUS ADAPTER	
Kit Contents	2 five meter LC/LC fiber optic cables, driver CD, installation guide, and optional low profile bracket (Order number LSI7202XP-LC-KIT)
Solution Provided	Superior single-channel 2Gb/s Fibre Channel PCI-X storage adapter
Environment Envisioned	Outstanding selection for mid-scale to high-end applications where maximum throughput is essential Highly flexible low profile form factor with bracket height option
External Connector	Dual LC, SFP, multimode optics
Data Transfer Rates	Up to 400 MB/s per channel, full duplex
Host Bus Type	64-bit/133MHz PCI-X
PCI Card Type	Universal add in card (3.3V, 5V signaling; 5V power $\pm 5\%$ )
Power Consumption	~6.5 watts
Protocols	SCSI-FCP, IP, FC-tape
Topology	Point-to-point, arbitrated loop, switched fabric (FL-port, F-port)
Class of Service	Class 2 & Class 3 Fibre Channel service
Compliance	ANSI Fibre Channel standards: FC-PH, FC-AL2, FC-FCP, FC-PLDA, FC-FLA, FCAIP, IETF-IPFC, FC-tape, PCI-X 1.0, PCI 2.2, and PC99
Agency Certifications	CE, VCCI, Canada, C-tick, FCC class B, UL 94VO
Physical Dimensions	Low profile PCI 2.2, MD2 2.53" x 6.60" full height (ISA) or low profile bracket
Operating Temperature	0° to 70° C
Operating Voltage	5.00 V + 0.25 V
System Architectures Supported	x86, IA64, Sparc, AMD64
<b>SOFTWARE</b>	
MyStorage OS Driver Support	Exceptionally easy to use and comprehensive HBA configuration and management <ul style="list-style-type: none"> <li>• Windows® NT 4.0, Windows 2000 and Windows Server 2003</li> <li>• Caldera 3.1, 3.1.1</li> <li>• SuSE 7.2, 7.3, 8.x (32-bit &amp; 64-bit)</li> <li>• Linux</li> <li>• RedHat 7.0, 7.1, 7.2, 8.0 (32-bit &amp; 64-bit), 7.3, ASE 2.1</li> <li>• Solaris x86</li> <li>• Solaris SPARC</li> </ul>
<b>ENVIRONMENTAL CONDITIONS</b>	
Operating Temperature	0°C to 55°C
Storage Temperature	-40°C to 105°C
Relative Humidity	5% to 90% non-condensing
Max Dew Point	32°C
Warranty	3 years, advanced replacement option, free advanced technical support at <a href="http://www.lsi.com/support">www.lsi.com/support</a>

## Warranty

For more than 15 years, LSI 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 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.



For more information and sales office locations, please visit the LSI web sites at: [lsi.com](http://lsi.com) [lsi.com/contacts](http://lsi.com/contacts)

**North American Headquarters**  
Milpitas, CA  
T: +1.866.574.5741 (within U.S.)  
T: +1.408.954.3108 (outside U.S.)

**LSI Europe Ltd.**  
**European Headquarters**  
United Kingdom  
T: [+44] 1344.413200

**LSI KK Headquarters**  
Tokyo, Japan  
Tel: [+81] 3.5463.7165

LSI, the LSI logo design, Fusion-MPT, and MegaRAID are trademarks or registered trademarks of LSI Corporation. All other brand and product names may be trademarks of their respective companies.

LSI Corporation reserves the right to make changes to any products and services herein at any time without notice. LSI does not assume any responsibility or liability arising out of the application or use of any product or service described herein, except as expressly agreed to in writing by LSI; nor does the purchase, lease, or use of a product or service from LSI convey a license under any patent rights, copyrights, trademark rights, or any other of the intellectual property rights of LSI or of third parties.

Copyright ©2007 by LSI Corporation. All rights reserved. 1007 CR20005

