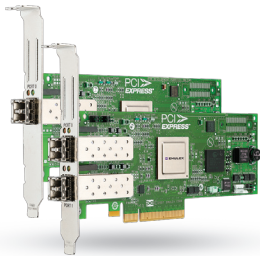


Generations Ahead

Unparalleled managability, reliability, performance and ease of deployment

8Gb/s and 4Gb/s
PCI Express Fibre Channel HBAs



PCI Express



Mezzanine Card



PCI-X

Streamlined installation and management, unrivaled scalability, and industry-leading virtualization support make Emulex LightPulse Fibre Channel host bus adapters (HBA) ideal solutions for enterprise and mixed-OS environments. With powerful management tools and broad hardware and software platform support, they deliver maximum performance in the broadest range of applications and environments.

Proven design, architecture and interface

The highly integrated chip design of Emulex LightPulse HBAs minimizes onboard components, while advanced error-checking methods assure robust data integrity. Emulex's firmware-based architecture enables feature and performance upgrades without costly hardware changes. The unique Service Level Interface (SLI™) allows use of a common driver across all generations of Emulex HBAs. Installation and management applications are designed to minimize server reboots and further simplify deployment.

KEY BENEFITS

- Superior quality and reliability ensures data availability
- Efficient installation accelerates deployment and reduces administration costs
- Maximum SAN performance increases scalability and user satisfaction in large enterprise installations
- Robust interoperability simplifies deployment and upgrades of SAN hardware and software
- LightPulse Virtual HBA technology provides efficient host utilization and compliance with SAN management best practices







KEY FEATURES

- Exceptional performance and full-duplex data throughput
- Comprehensive virtualization capabilities with support for N_Port_ID Virtualization (NPIV) and Virtual Fabric
- Simplified installation and configuration using common HBA drivers and automated installation utilities
- Efficient centralized administration of Emulex HBAs anywhere in the SAN via powerful management tools
- Common driver model ensures that one driver supports all generations of Emulex HBAs on a given OS platform
- SLI™ architecture allows new firmware releases to be easily deployed independently from the driver, introducing new functionality and reducing reboot cycles



Fibre Channel HBAs for Dell

8Gb/s and 4Gb/s PCI Express Fibre Channel HBAs

Model #	System Bus	Operating System Support			Qualifications	Additional Features
 LPe12000-E	8Gb/S FC to PCI Express 2.0	Windows	Linux	VMware	AX4-5, AX150, CX200, CX300, CX400, CX500, CX600, CX700, FC 4700, FC4500, CX3-10, CX3-20, CX3-40, CX3-80 Dell PowerEdge, Dell/EMC Array	Single-channel, Low-profile, NPIV, MSIX support
 LPe12002-E						Dual-channel, Low-profile, NPIV, MSIX Support
 LPe1205-M						Dual-channel, Mezzanine HBA, NPIV / HBA Virtualization
 LPe1150-E	4Gb/S FC to PCI Express 1.0a	Windows	Linux	VMware	Dell PowerEdge Dell/EMC Array CX300, CX500, CX700 FC 4700, FC 4500 CX3-10, CX3-20, CX3-40, CX3-80 AX150	Single-channel, Low-profile, NPIV / HBA Virtualization
 LPe11002-E						Dual-channel, Low-profile, NPIV / HBA Virtualization
 LPe1105-M4						Dual-channel, Mezzanine HBA, NPIV / HBA Virtualization

Additional models available through DELL S&P: LP9802-E, LP9802DC-E, LP982-E, LP9002L-E, LP9002S-E, LPe111-E, LP101-E.
For additional compatibility information, please refer to <http://www.emulex.com/interop/index.jsp>

Additional Features

- Emulex LightPulse HBA technology features Frame-level Multiplexing and out-of-order frame reassembly for maximum link utilization.
- End-to-end data protection with hardware parity, CRC, ECC and other advanced error checking and correcting algorithms ensure data is safe from corruption.
- Beaconing feature flashes the LEDs of standard form factor HBAs in a distinct pattern, simplifying their identification within server racks.
- Detailed real-time event logging and tracing enables quick diagnosis of SAN problems.
- Universal Boot capability allows the appropriate boot environment to be automatically selected for any given hardware platform.

Deployment and Management Features

- Emulex's feature-rich installation facility simplifies and speeds HBA deployment and device management, while reducing administration costs and protecting your IT investment.
- Emulex HBAware management application enables secure, centralized discovery, monitoring, reporting, and administration of Emulex host bus adapters (HBAs) and converged network adapters (CNAs) on local and remote hosts. Powerful automation capabilities facilitate remote driver parameter, firmware and boot code upgrades. Advanced diagnostic features such as HBA beaconing and HBA statistics help to optimize management and network performance. In addition to the GUI interface, management functions can also be performed via a scriptable Command Line Interface (CLI) as well as a web browser. With in-band and out-of-band management capabilities, Emulex provides data center administrators with the greatest level of management flexibility.

- Automated installation and configuration of driver and management tools simplifies deployment of multiple HBAs for Windows environments. A single installation of drivers and management utilities eliminates multiple reboots and ensures that each component is installed correctly and the HBA is ready to use.
- Emulex's management instrumentation complies with Open Management Standards, such as SMI-S and common HBA API support, which enables seamless upward integration into enterprise storage and server management solutions.

This document refers to various companies and products by their trade names. In most, if not all cases, their respective companies claim these designations as trademarks or registered trademarks. This information is provided for reference only. Although this information is believed to be accurate and reliable at the time of publication, Emulex assumes no responsibility for errors or omissions. Emulex reserves the right to make changes or corrections without notice. This report is the property of Emulex and may not be duplicated without permission from the Company.

09-254 · 9/08



www.emulex.com

World Headquarters 3333 Susan Street, Costa Mesa, CA 92626 +1 714 662 5600

Wokingham, UK +44 (0) 118 977 2929 | Munich, Germany +49 (0) 89 97007 177
Paris, France +33 (0) 158 580 022 | Beijing, China +86 10 68499547