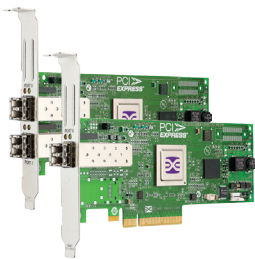




LightPulse® LPe12000/LPe12002

8Gb/s Fibre Channel PCIe 2.0 Host Bus Adapter

**UNPARALLELED
MANAGEABILITY,
RELIABILITY,
PERFORMANCE
AND EASE OF
DEPLOYMENT**



LPe12000/LPe12002

Streamlined installation and management, unrivaled scalability, and industry-leading virtualization support make the single-channel Emulex LightPulse LPe12000 and dual-channel LPe12002 Fibre Channel host bus adapters (HBA) ideal solutions for enterprise, mixed-OS and virtual server environments.

Protection from silent data corruption with Data Integrity feature

Oracle and Emulex have partnered to develop the Data Integrity Initiative (DII) to provide an end-to-end data integrity solution to protect against silent data corruption.

One of the "secret" causes of downtime is data corruption. This is a phenomenon that can occur when the integrity of data is compromised at some point in time while it travels along the I/O path between applications on a server and disk drives on a storage area network (SAN). In the worse case, when data corruption is undetected, or "silent", there can be serious consequences if reporting and decision making is unknowingly based on inaccurate data. By implementing data integrity, LightPulse adapters provide unrivalled data protection that extends and improves upon current ECC, CRC and parity features.

Proven design, architecture and interface

Emulex LightPulse HBAs' highly integrated processor design minimized onboard components to improve host performance and efficiency. Advanced error-checking features ensure the integrity of block data as it traverses the SAN. 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 models of Emulex HBAs on a given OS platform. Installation and management facilities are designed to minimize server reboots and further simplify deployment.

Powerful management software for maximum data center efficiency

OneCommand Manager's multi-protocol, cross platform architecture, provides centralized management of Emulex encrypting and non-encrypting adapters within the enterprise datacenter. OneCommand Manager streamlines IT administrative tasks by delivering uniform management across heterogeneous data center environments. To ensure a transparent transition for customers who are using Emulex's HBAnyware management solution, OneCommand Manager is backward compatible with HBAnyware 4.1.

Key Benefits

- Provides superior performance for the enterprise
- Provides protection against silent data corruption with Data Integrity feature.
- Integrates seamlessly into existing SANs
- Supports IT server consolidation and energy conservation initiatives
- Allows application of SAN best practices, tools and processes with virtual server deployments
- Assures data availability and data integrity
- Improves IT staff productivity through simplified deployment and management

Key Features

- Support for Message Signaled Interrupts eXtended (MSI-X), improves host utilization & enhances application performance
- Support for 8Gb/s, 4Gb/s & 2Gb/s Fibre Channel devices
- Comprehensive virtualization capabilities with support for N_Port ID Virtualization (NPIV) and Virtual Fabric
- Host to Fabric FC-SP authentication
- BlockGuard® ready - ensures end-to-end data integrity
- Common driver model allows a single driver to support all Emulex HBAs on a given OS
- Easy deployment of new firmware with minimal server reboots
- Efficient centralized administration of Emulex HBAs via powerful management tools
- PCIe 2.0 bus compliant, with PCIe 1.0 backward compatibility supported

