

# Emulex HBA 8Gb/s Fibre Channel Single Port PCI-Express Adapter (LPE12000-M8)

Kod producenta: LPE12000-M8



Ilość portów	1
Przepustowość	8Gb/s
Złącza zew.	1x LC
Typ złącza magistrali	PCI Express 2.0 x8
Format	Low Profile
Gwarancja	36 m-cy

## Unparalleled manageability, reliability, performance and ease of deployment

Streamlined installation and management, unrivaled scalability and industry-leading virtualization support make the single-port LPe12000 Fibre Channel Host Bus Adapter (HBA) an ideal solution for enterprise, mixed-operating system (OS) and virtual server environments. With powerful management capabilities and broad platform support, they deliver maximum performance in the broadest range of applications and environments.

## Proven design, architecture and interface

Emulex HBAs feature a highly integrated processor design with minimized onboard components to improve host performance and efficiency. Advanced error-checking features ensure the integrity of block data as it traverses the Storage Area Network (SAN). The 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.

## Key Features

- PCIe 2.0 bus-compliant, with PCIe 1.0 backward compatibility supported
- Support for Message Signaled Interrupts eXtended (MSI-X), improves host utilization & enhances application performance
- Support for 8Gbps, 4Gbps and 2Gbps Fibre Channel devices
- Comprehensive virtualization capabilities with support for N\_Port ID Virtualization (NPIV) and Virtual Fabric
- Host-to-Fabric FC-SP authentication

- T10 Protection Information (T10 PI) 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

### **Key Benefits**

- Provides superior performance for the enterprise
- 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

### **Performance Features**

- Doubling the maximum Fibre Channel link rate from 4Gbps to 8Gbps and enhanced virtualization capabilities help support IT "Green" initiatives
- Frame-level multiplexing and out-of-order frame reassembly increases link efficiency and maximizes HBA performance.

### **Data Protection Features**

- End-to-end data protection with hardware parity, CRC, ECC and other advanced error-checking and correcting algorithms ensure data is safe from corruption.
- Only Emulex HBAs provide end-to-end data integrity with support of the T10 Protection Information (T10-PI) standard to prevent silent data corruption and help ensure the integrity of user data as it is transferred from the application to the SAN.

### **Deployment and Management Features**

- Universal boot capability allows the appropriate boot environment to be automatically selected for any given hardware.
- Boot-from-SAN capability reduces system management costs and increases uptime.
- Detailed real-time event logging and tracing enables quick diagnosis of SAN problems.
- Beaconing feature flashes the HBA LEDs, simplifying their identification within server racks.
- Environmental monitoring feature helps to optimize SAN availability.

- [LightPulse® LPe12000/LPe12002](#)

*Strona firmowa produktu:*

<https://www.superstorage.pl/emulex-hba-8gbs-fibre-channel-single-port-pci-express-adapter-lpe12000-m8-p-2482.html>