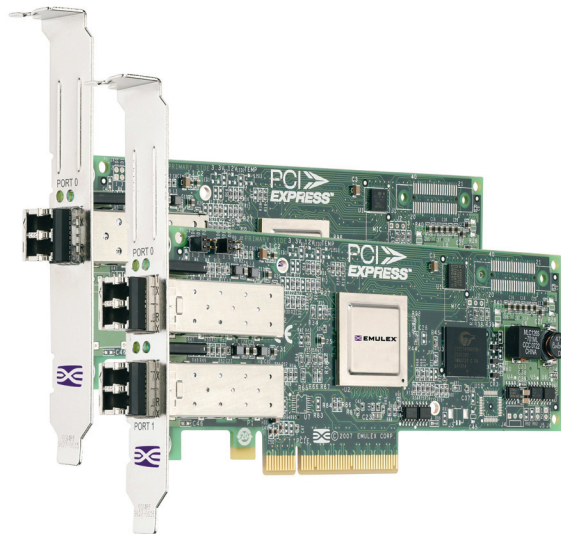


Emulex 8 Gb Fibre Channel Host Bus Adapters for IBM System x



Highlights

- **Improved Service Level Agreements with No-Reboot Firmware**
- **Comprehensive virtualization capabilities with support for N_Port_ID Virtualization (NPIV) and Virtual Fabric**
- **Better virtual machine (VM) consolidation with CPU offload**
- **Common driver model enables one driver, supports all generations of HBAs on a given OS platform**

Streamline installation and management, plus unrivaled scalability and industry-leading virtualization support make Emulex 8 Gb Fibre Channel Host Bus Adapters (HBA) ideal solutions for enterprise and mixed-OS environments. With powerful management tools, they deliver maximum performance in the widest range of applications and environments.

Proven design, architecture and interface

Emulex 8 Gb Fibre Channel HBAs' highly integrated chip design minimizes onboard components while advanced error-checking methods provide robust

integrity. The result of this advanced chip design is 20% fewer CPU cycles used enabling IBM servers to run more virtual machines (VMs) per CPU. Emulex's firmware-based architecture enables feature and performance upgrades without costly hardware changes. Installation and management applications are designed to minimize server reboots and further simplify IBM System x® deployment.

Ease of deployment, unparalleled reliability

As a result of advanced features built into the chip design, the Emulex single-port and dual-port HBAs feature efficient installation capabilities accelerating deployment and reducing administration costs. The proven design coupled with robust interoperability further simplifies deployment and upgrade challenges of SAN hardware and software. The superior design facilitates data availability and reliability while providing maximum SAN performance to increase scalability and user satisfaction in large enterprise installations. In addition, end-to-end data protection with hardware parity, CRC, ECC and other advanced error checking and correcting algorithms make data safe from corruption.

Maximizing investments

To help optimize technology investments, IBM offers a single point of serviceability backed by industry-renowned education, support and training. In addition, Emulex 8 Gb HBAs are part of

the ServerProven® program, enabling compatibility among a variety of IBM and partner products. IBM recognizes that customers deserve the most innovative solutions.



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Emulex 8 Gb FC Single-port and Dual-port HBAs for System x at a glance

Part number	42D0485 (single-port), 42D0494 (dual-port)
Topology	Point-to-point (FC-P2P), Switched fabric (FC-SW), and Arbitrated loop (FC-AL)
Distance support	50 m at 8 Gbps on 62.5/125 µm Multi-Mode Fibre (MMF)
Bus interface	PCI-Express Gen 2.0 Compatible (x8)
Operating temperature	0°C/32°F to 55°C/131°F
Non-operating temperature	-40°C/-40°F to 70°C/158°F
Operating humidity	5% to 95% (relative, non-condensing)
Non-operating humidity	5% to 95% (relative, non-condensing)
Operating voltage	3.3 V, 12V
Transceivers	8 Gbps Fibre Channel LC-style pluggable (SFP+)
Bracket size	Standard and low-profile
Management suite	HBAnyware
Supported servers	Visit the Server Proven page for the latest supported servers at ibm.com/servers/eserver/serverproven/compat/us/
Operating Systems	Microsoft® Windows® 2003/2008, Linux®, Netware, VMware
Form factor	Low-profile MD2 form factor PCI-Express card
Fault Tolerance	Load balancing and failover provided by Linux DM, Microsoft MPIO, EMC PowerPath and other 3rd party software applications
Dimensions	16.77 cm x 6.89 cm (6.60 in. x 2.71 in.)
Limited warranty	One-year limited warranty, or when installed in a System x server these cards assume your system's base warranty and any IBM ServicePac® upgrade

Compatibility Certifications

A snapshot of supported systems includes but is not limited to: EMC CLARION CX300, CX400, CX500, CX4-960, EMC DMX3 e DMX4, AMS 2500, AMS1000, IBM DS8300, IBM DS8100, e EMC Vmax and tape subsystems; DELL POWERVAULT 132T; Brocade Connectrix DS 5300-B, Brocade DCX B and more.

For a full list of certifications, please see the manufacturers interoperability matrix.

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