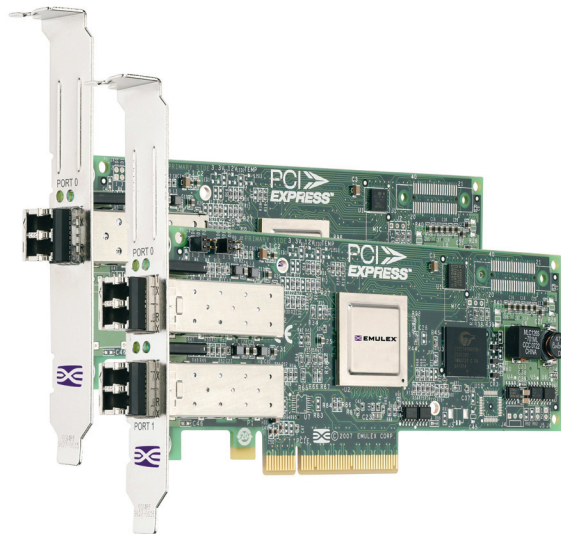


## Emulex 8 Gb Fibre Channel Host Bus Adapters for IBM System x



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### Highlights

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- **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

<b>Part number</b>	42D0485 (single-port), 42D0494 (dual-port)
<b>Topology</b>	Point-to-point (N_Port), switched fabric (N_Port)
<b>Distance support</b>	50 m at 8 Gbps on 62.5/125 µm Multi-Mode Fibre (MMF)
<b>Bus interface</b>	PCI-Express Gen 2.0 Compatible (x8)
<b>Operating temperature</b>	0°C/32°F to 55°C/131°F
<b>Non-operating temperature</b>	-40°C/-40°F to 70°C/158°F
<b>Operating humidity</b>	5% to 95% (relative, non-condensing)
<b>Non-operating humidity</b>	5% to 95% (relative, non-condensing)
<b>Operating voltage</b>	3.3 V, 12V
<b>Transceivers</b>	8 Gbps Fibre Channel LC-style pluggable (SFP+)
<b>Bracket size</b>	Standard and low-profile
<b>Management suite</b>	HBAnywhere
<b>Supported servers</b>	Visit the Server Proven page for the latest supported servers at <a href="http://ibm.com/servers/eserver/serverproven/compat/us/">ibm.com/servers/eserver/serverproven/compat/us/</a>
<b>Operating Systems</b>	Microsoft® Windows® 2003/2008, Linux®, NetWare, VMware
<b>Form factor</b>	Low-profile MD2 form factor PCI-Express card
<b>Dimensions</b>	16.77 cm x 6.89 cm (6.60 in. x 2.71 in.)
<b>Limited warranty</b>	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

## World Wide Web

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