

Data Sheet

Emulex LPe12002 Fibre Channel card

LPe12002 dual port 8 Gbit PCI Express 2.0 Host Bus Adapters

Fibre Channel Host Bus Adapters (HBA) enable data exchange over large distances and extend your existing FUJITSU server systems by including communication interfaces using high-speed communication technology. All connections are redundant and hot-pluggable.

The combination of hardware and software exemplifies the high-performance quality of communication.

The number of system restarts is reduced thanks to optimized software and extended error check functions help improve the integrity of your company's information.

LPe12002 Fibre Channel card

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. With powerful management capabilities and broad platform support, they deliver maximum performance in the broadest range of applications and environments.

The 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. 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. The HBAnyware enterprise-class management application has gained broad market acceptance with over 6 million Fibre Channel and FCoE ports managed to date. Building on the success of the HBAnyware application, Emulex has released OneCommand Manager. OneCommand Manager's multi-protocol, cross platform architecture, provides centralized management of the adapters within the enterprise datacenter. OneCommand Manager streamlines IT administrative tasks by delivering uniform management across heterogeneous data center environments. With OneCommand Manager, IT administrators can increase management efficiency and flexibility by improving responsiveness to dynamic business environments. To ensure a transparent transition for customers who are using Emulex's existing HBAnyware management solution, OneCommand Manager is backward compatible with HBAnyware 4.1.



| Main Features | Benefits |
|--|---|
| <ul style="list-style-type: none"> ■ 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 ■ BlockGuard® ready - ensures end-to-end data integrity ■ Easy deployment of new firmware with minimal server reboots ■ Efficient centralized administration of Emulex HBAs via powerful management tools | <ul style="list-style-type: none"> ■ Provides superior performance for the enterprise ■ Integrates seamlessly into existing SANs ■ Supports IT server consolidation and energy conservation initiatives ■ Assures data availability and data integrity ■ Improves IT staff productivity through simplified deployment and management |

Technical details

Technical details

| | |
|---------------------------------------|---|
| Controller type | Fibre Channel Host Bus Adapter |
| Connector type | LC-style |
| Operating system pre-installed | Information to released operating systems can be found in the server datasheets. Details can be found in the released drivers list on the support portal. |
| Released drivers list link | http://support.ts.fujitsu.com/Download/Index.asp |
| Number of ports | 2 |
| Bus interface | PCIe 2.0 x8 |
| Bus transfer rate | 5GT/s |
| LEDs | green and yellow LED per port (The green LED means firmware operation and the yellow LED means port activity) |
| Standards | <ul style="list-style-type: none"> · ANSI Fibre Channel: FC-PI-4, FC-FS-2, FC-FS-2/AM1, FC-LS, FC-AL-2, FC-GS-6, FC-FLA, FC-PLDA, FC-TAPE, FC-DA, FCP through FCP-4, SBC-3, FC-SP, FC-HBA and SMI-S v1.1 · PCI Express base spec 2.0 · PCI Express card electromechanical spec 2.0 · Fibre Channel class 2 and 3 · PHP hot plug-hot swap |

| | |
|--------------------------------|-----|
| Fibre Channel interface | MMF |
|--------------------------------|-----|

| Order code | Product name (vendor) | Height of bracket | Number of ports | Related product |
|-------------------|-----------------------|-------------------|-----------------|-------------------|
| MC-0JFC41 | LPe12002 | Low Profile (LP) | 2 | PRIMEQUEST Server |
| MC-0JFCA1 | LPe12002 | Full Height (FH) | 2 | PRIMEQUEST Server |
| MCX0JFC41 | LPe12002 | Low Profile (LP) | 2 | PRIMEQUEST Server |
| MCX0JFCA1 | LPe12002 | Full Height (FH) | 2 | PRIMEQUEST Server |
| S26361-F3961-E202 | LPe12002 | Low Profile (LP) | 2 | PRIMERGY Server |
| S26361-F3961-E2 | LPe12002 | Full Height (FH) | 2 | PRIMERGY Server |
| S26361-F3961-L202 | LPe12002 | Low Profile (LP) | 2 | PRIMERGY Server |
| S26361-F3961-L2 | LPe12002 | Full Height (FH) | 2 | PRIMERGY Server |

Environment

| | |
|--------------------------------|-------------|
| Temperature (operating) | 0 - 55 °C |
| Storage temperature | -40 - 70 °C |

Compliance

| | |
|-------------------------|---|
| Compliance notes | According to the corresponding system |
| Compliance link | https://sp.ts.fujitsu.com/sites/certificates |

More information

Fujitsu products, solutions & services

In addition to Fujitsu with LPe12002 Fibre Channel card, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio

Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products

www.fujitsu.com/global/products/computing/

Software

www.fujitsu.com/software/

More information

Learn more about FUJITSU Server LPe12002 Fibre Channel card, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. www.fujitsu.com/primergy

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.

Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT. Please find further information at <http://www.fujitsu.com/global/about/environment>



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