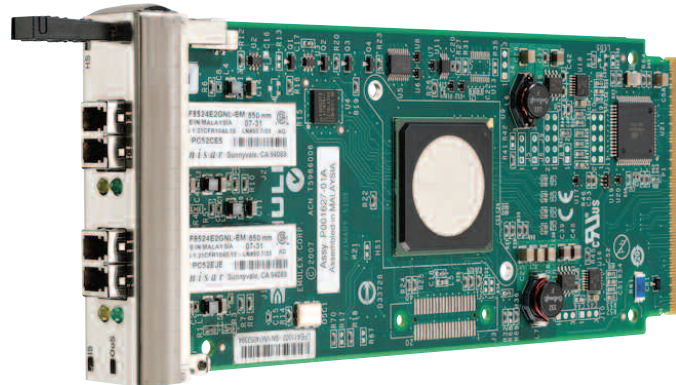


Sun StorageTek™ 4 Gb FC ATCA Host Bus Adapter (HBA), Dual Port

Netra ATCA server HBA



The Sun StorageTek™ 4 Gb FC ATCA Host Bus Adapter (HBA), dual port is ideal for Sun Netra carrier grade platforms specifically tailored to fit the needs of the Network Equipment Providers (NEPs) and Service Providers (SPs).

Highlights

- Industry's highest performing 4 Gb Fibre Channel PCIe AMC HBA form factor
- Features the award-winning LightPulse® Fibre Channel architecture from Emulex®
- Ideal for telecom industry to accelerate the delivery of their next generation voice, video and data services
- Enterprise-class I/O connectivity for large or mixed OS SAN environments
- Dual port 4 Gb/sec Fibre Channel link speeds
- HBAnyware® for centralized management, providing efficient, scalable administration of enterprise class SAN connectivity
- Ruggedized design with NEBS Level 3 certification
- Reduced thermal and power requirements for carrier grade chassis
- Full fabric support with automatic topology and speed adaptation

Featuring the award-winning LightPulse Fibre Channel architecture from Emulex, the Sun StorageTek 4 Gb FC ATCA HBA, dual port is a highly integrated connectivity solution for enterprise-class Storage Area Networks (SANs). Based on the high performance PCI-Express host bus and with support for 4 Gb Fibre Channel link speeds, this AMC HBA solution delivers unsurpassed performance and flexibility for your most demanding storage networking applications.

Advanced Mezzanine Card (AMC) form factor

The Advanced Mezzanine Card (AMC) is a PCI Industrial Computer Manufacturers Group (PICMG) open standards based specification for next-generation carrier grade equipment. AMC is based on the premise of complete modularity within the ATCA chassis. This HBA form factor is a self contained PCI-Express based card that is the logical descendant to PICMG's CompactPCI form factor.

Stay ahead in Reliability, Availability and Serviceability (RAS)

AMC paves the way for the delivery of high-bandwidth services by offering numerous advancements over the previous CompactPCI standard. Specifically, enhanced power and cooling designs support use of multiple high

performance processors and high-speed interconnect fabrics in ATCA-based carrier-grade infrastructures, providing the increased performance and bandwidth required by next-generation data services. This AMC Fibre Channel HBA is a snap to install or replace in ATCA chassis. It offers state-of-the-art in enterprise-class RAS features, and it all works together to boost your IT efficiency and uptime, speed your responsiveness, and lower your TCO.

Industry expertise

Sun has been the leading provider of carrier-grade telecommunications infrastructure equipment for years. Eighty percent of the largest service providers around the world run solutions on Sun, supporting more than 500 million subscribers. In addition, nine out of the top ten Network Equipment Providers (NEPs), which command more than 90 percent of the communications infrastructure market, use Sun Netra servers in their carrier-grade solutions.

Proven design, architecture and interface

The award-winning LightPulse Fibre Channel architecture from Emulex raises the bar in performance I/O computing. The design minimizes onboard components, while advanced error-checking methods assure robust data integrity.

Sun StorageTek 4 Gb FC ATCA HBA, Dual Port Specifications

Flexibility

A robust feature set, combined with comprehensive testing and support helps ensure that the Sun StorageTek 4 Gb FC ATCA HBA, dual port provides the flexibility and interoperability needed for complex, highly scalable heterogeneous SANs.

Supported operating systems

- Solaris™ 10 SPARC
- Solaris x64 (32-bit and 64-bit)
- Wind River PNE 2.0 Carrier Grade Linux

Supported server platforms

Sun Netra ATCA servers include:

- CP3060
- CP3220

Host bus interface specifications

- Native PCI-Express X4
- PCI-Express base spec 1.0a
- AMC.0 r2.0 and AMC.1 r1.0 (Advanced Mezzanine Card)

Fibre channel specifications

- 4/2/1 Gb/sec auto-negotiation (4.2480/2.1240/1.0625 Gb/sec)
- Point-to-point (N_Port), arbitrated loop (NL_Port) and switched fabric (N_Port)
- Class 2 and 3
- ANSI Fibre Channel: SCSI-FCP, FCPH, FC-PH-2, FC-PH-3, FC-AL-2, FCFLA, FC-PLDA, FC-TAPE, FCP-2, FCGS-3, FC-FS

Physical

- Dual port

Connector

- SFF, LC-style small form factor fixed multimode optic

AMC form factor

- 28.95 mm x 73.8 mm x 181.5 mm

Weight

- 4.4 ounces = 125 grams +/- 0.1oz (+/- 3grams) HBA Only
- 14.3 ounces = 405 grams +/- 0.1oz (+/- 3grams) incl/Packaging

Environmental

Volts

- Input: 12V +/- 2V

Power consumption (typ/max)

- Typical: 7.2W
- Max: 10W

Temperature

- Operating: 0° to +40°C, noncondensing
- Non-operating: -40°C to +70°C, noncondensing

Humidity

- Operating: 10 to 90 percent RH, noncondensing, +27°C max wet bulb
- Non-operating: 93 percent RH, noncondensing, +38°C max wet bulb

Agency approvals

- Class 1 Laser Product per DHHS 21CFR (J) and EN60825-1
- UL recognized to UL 60950-1 :2003
- FCC rules, Part 15, Class A
- ICES-003, Class A
- EMC Directive 2004/108/EEC (CE)
- EN55022, Class A and EN55024
- Australian EMC Framework (C-Tick)
 - AS/NZS CISPR22:2002; Class A
- VCCI, Class A (Japan)
- BSMI Class A (Taiwan)
- MIC Class A approval (Korea)
- RoHS compliant (Directive 2002/95/EC)
- China RoHS compliant
- NEBS compliant

Description and model name

- Sun StorageTek 4 Gb FC ATCA HBA, dual port SG-XPCIE2FC-ATCA-Z

Learn More.

To learn more about the StorageTek 4 Gb FC ATCA HBA, visit sun.com/storagetek/networking.jsp

To learn more about the Sun Netra ATCA server, visit sun.com/products-n-solutions/hw/networking/atca/index.jsp