

IBM 42D0494 Datasheet



IBM 42D0494 42D0500, 42D0495 Emulex 8Gb FC Dual-port HBA for System x
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Standards

- 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

Architecture

- Dual-channel
- 8Gb/s, 4Gb/s or 2Gb/s FC Link speeds automatically detected
- Integrated data buffer and code space memory

Comprehensive OS Support

- Windows, Linux, NetWare, Solaris, VMware
- Additional support is available from OEMs and partners

Hardware Environments

- PowerPC®, SPARC®, x86, x64 and Intel® Itanium® 64-bit processor family

Optical

- Data rates: 2.125, 4.25 and 8.5Gb/s (auto-detected)
- Optics: Short wave lasers with LC type connector
- Cable: Operating at 8Gb/s
 - 50/125um (500MHz*km BW)-up to 50m
 - 50/125um (2000MHz*km BW)-up to 150m

Physical Dimensions

- Short, low profile MD2 form factor card
- 167.64mm x 64.42mm (6.60" x 2.54")
- Standard bracket (low profile available)

Power & Environmental Requirements

- Volts: +3.3, +12
- Operating temperature: 0° to 55°C (32° to 131°F)
- Storage temperature: -40° to 70°C (-40° to 158°F)
- Relative humidity: 5% to 95% non-condensing
- 23 degree C wet bulb

Agency Approvals

- Class 1 Laser Product per DHHS 21CFR (J) and EN60825-1
- UL recognized to UL 60950-1
- CUR recognized to CSA22.2, No. 60950-1-03
- Baurt-certified to EN60950-1

- FCC Rules, Part 15, Class A
- ICES-003, Class A
- EMC Directive 2004/108/EEC (CE Mark)
 - EN55022, Class A
 - EN55024
- Australian EMC Framework (C-Tick Mark)
 - AS/NZS CISPR22, Class A
- VCCI (Japan), Class A
- MIC (Korea), Class A
- BSMI (Taiwan), Class A
- EU RoHS Compliant (Directive 2002/95/EC)
- China RoHS Compliant

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