

BROCADE 4 GBIT/SEC BLADE



STORAGE AREA NETWORK

A Field-replaceable Card That Boosts Link Speeds Between Directors to 4 Gbit/sec

HIGHLIGHTS

- Can fully populate Brocade M6140 series chassis (up to 35 per 6140)
- Can intermix with Brocade 2 Gbit/sec Port Modules and Brocade 10 Gbit/sec Port Modules
- Hot Pluggable optical transceivers
Shortwave (850nm) optical transceivers available for 150m links over standard 50-micron multimode fiber and OM2 cable (300m over OM3 cable)
- Longwave (1310nm) optical transceivers available for 10km links over standard 9-micron single-mode fiber
- 60km total path distance with full Brocade 4 Gbit/sec performance at full frame via 125 buffer-to-buffer credits per port
- Brocade OpenTrunking compatible
Requires Brocade E/OS 9.0 and Brocade EFCM 8.9 or later versions

The Brocade® 4 Gbit/sec Blade enables you to shorten backup windows, meet the bandwidth needs of data-intensive applications and simplify your network (by reducing ISLs). Unlike other solutions, the Brocade 4 Gbit/sec blade leverages existing directors instead of requiring you to deploy disruptive and costly new equipment.

The Brocade 4 Gbit/sec blade is a four-port, hot-pluggable card that is automatically

recognized by the system as a Brocade 4 Gbit/sec capable device upon insertion. You can use the blade to connect between Brocade M6140 Directors or any other standards-compliant, Brocade 4 Gbit/sec device. It can be inserted into any or all slots of the Brocade M6140 as needed. The blade offers full performance at up to 60km link distances (without requiring costly repeaters) for metro area connectivity or backup.



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- **Cost-Effective Modularity:** The four-port granularity of the Brocade 4 Gbit/sec blade lets you buy just what you need and avoid excess expenditures on unneeded ports. Competitive offerings require a higher capital outlay as they can only be purchased in 12, 16 or 32 port increments. And you can upgrade the Brocade M6140 you already have in place to Brocade 4 Gbit/sec without any equipment replacement.
- **Flexible Deployment:** The Brocade 4 Gbit/sec cards can be intermixed with Brocade 2 Gbit/sec and Brocade 10 Gbit/sec cards within the same Brocade M6140 chassis. You can deploy up to the chassis limit of 35 blades. Brocade 2, 4 and 10 Gbit/sec links can be combined in any number to form a single logical link with Brocade's OpenTrunking software, enabling you to optimize performance between directors or switches.
- **Fully Standards Compliant:** The Brocade 4 Gbit/sec blade is fully compliant with the INCITS standard for Brocade 1, 2 and 4 Gbit/sec Fibre Channel operation. Each port is configured with an industry-standard Brocade 4 Gbit/sec hot pluggable SFP fiber optics transceiver that is fully compatible with installed 50 micron or 9 micron fiber optics cable infrastructure using LC connectors.

SOLUTIONS

Network Consolidation: The Brocade 4 Gbit/sec blade enables companies to reduce ISLs and cabling, simplifying their networks. By reducing complexity, enterprises can reduce management time and possible points of failure.

Network Upgrade: The blade offers a cost effective solution for scaling the SAN to meet growing bandwidth demands. As additional

applications are deployed, companies need Brocade 4 Gbit/sec performance to meet the new bandwidth requirements. Unlike other solutions, the Brocade 4 Gbit/sec blade enables enterprises to increase network performance without replacing costly switching equipment.

Optimized Local and Metro Area Backup: The new Brocade 4 Gbit/sec technology enables you to back up your existing data sets in nearly half the time it previously took with Brocade 2 Gbit/sec technology. The Brocade 4 Gbit/sec blade also has the same distance support as Brocade 2 Gbit/sec ports, enabling you to deploy the increased speed without adding expensive repeaters.

MAXIMIZING SAN INVESTMENTS

Brocade and its partners offer complete SAN solutions to meet a wide range of technology and business requirements. These solutions include education and training, support, service, and professional services to help optimize SAN investments. For more information, contact an authorized Brocade sales partner or visit www.brocade.com.

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