

AT A GLANCE

Brocade HBAs Now Available From HP!



Our Opportunity Together

HP now offers Brocade HBAs, extending Brocade's Advanced Fabric Services to compliment HP solutions. Along with our industry leading fabric offerings, you now have the ability to provide true end-to-end host and fabric solutions to your customers; while engaging with the same Brocade field team that you enjoy today.

Brocade HBA Differentiators

Greatest Performance and Scalability—Higher, power-efficient IOPS and bandwidth support dozens of simultaneous mission-critical workloads per physical HBA port. Each 4 Gbit/sec or 8Gbit/sec port has a maximum I/O transfer rate up to 500,000 IOPS, *approximately twice that offered by other HBA suppliers!*

Unified SAN Management—Today, Brocade's stand-alone HBA element manager, Host Connectivity Manager (HCM), may be "click and launched" from Data Center Fabric Manager (DCFM). In a near future DCFM release, the majority of HCM's functionality will be native to DCFM, *creating a single tool that simplifies HBA configuration and management, coupled with the simplicity of single-vendor server-to-fabric support* that is tested and qualified to guarantee interoperability with Brocade HBAs and fabric solutions.

Boot from SAN—'Boot from SAN' from Brocade enables environments to be easier to install, configure, and manage through the SAN fabric. HBAs ship with the BIOS and contain labeled WWN information visible on the exterior bracket. Configuration is simplified with only 4 steps! Boot from SAN benefits are also evident with reduced power and cooling, improved reliability, rapid server provisioning and quick recovery from server failure.

HP Part Number Cross Reference	AP767A	AP768A	AP769A	AP770A
Brocade base model	Brocade 415	Brocade 425	Brocade 815	Brocade 825
Ports	1 port	2 ports	1 port	2 ports
Bandwidth	4Gb	4Gb	8Gb	8Gb
Bus type	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8
Replaces ▼				
QLogic	QLE2460	QLE2462	QLE2560	QLE2562
HP QLogic model/part number	AE311A / FC1142	AE312A / FC1242	AK344A / 81Q	AJ764A / 82Q
Emulex	LPe1150	LPe11002	LPe12000	LPe12002
HP Emulex model/part number	A8002A / FC2142	A8003A / FC2242SR	AJ762A / 81E	AJ763A / 82E

Helpful Websites:

<http://www.hp.com/storage/spock> for specific server/OS/array support information.

Brocade HBA technical documents and downloads are available at www.brocade.com/hba

HP Support Matrix Listing of Brocade HBAs

Brocade's HBAs were announced with HP June 2, 2009. While supported configurations will continue to expand, if you're environment is not reflected in the support matrix, please contact hp-sales@brocade.com for more information on potential support of additional configurations on a deal-by-deal basis.

Brocade HBA Evaluation Program

The purpose of this program is to enable our customers to test and evaluate Brocade HBA technology at no cost by providing complimentary evaluation HBAs. If you have customers interested in participating in the HBA evaluation program, please contact your Brocade representative or send your inquiry to hbasamples@brocade.com for further detail.



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Competitive HBA Comparison Overview

Characteristic	Brocade 8Gb HBA	Emulex 8Gb HBA	QLogic 8Gb HBA	Comment
Maximum per port IOPS	500k	183k	205k	Brocade offers more than twice the IOPS
IOPS per watt	92k	27k	45k	Brocade delivers more than twice the IOPS per watt
Most cost effective	✓	✗	✗	HBA cost savings with Brocade – even more with fabric bundles
Simplified vendor interaction	✓	✗	✗	Common support for both fabric and host devices
24 x 7 x 365 live, email, web support	✓	✗	✗	The same team of experts that supports Brocade fabric products
Advance replacement with free shipping	✓	✗	✓	Brocade has service centers located all over the world
Support for removal & replacement of SFPs	✓	✗	✗	A large percentage of HBA issues are optics related - SFP swap out means simpler, faster path to resolution
3 year warranty	✓	✓	✓	Industry standard - QLogic requires customers to register to obtain 2 year extension
End-to-end Management	✓	✗	✗	Integrated with DCFM
Target Rate Limiting	✓	✗	✗	Automatically ensures data flow data rates match target devices - minimizes fabric backpressure
Automated SAN Boot	✓	✗	✗	Unique fabric-based Boot LUN Discovery - simpler SAN Boot method
Windows, Linux, Solaris support	✓	✓	✓	Brocade focuses on current and future OS'

For More Information

Sales Inquires: For sales inquiries about HBAs for HP servers, contact hp-sales@brocade.com, or the Brocade HBA for HP consultant in your region.

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