

# HP Fibre Channel HBAs

Family of PCI Express (PCIe) and PCI-X 4 Gb/s and 2 Gb/s Fibre Channel Host Bus Adapters (HBA)

## MAJOR FEATURES

- single- and dual-channel PCIe and PCI-X 4 Gb/s and 2 Gb/s models
- enterprise and midrange models for mixed OS, MS Windows and Linux environments for superior price-performance mix
- adapters for all server types, including blades
- mezzanine card designed for the HP ProLiant BladeSystem supports Windows, Linux
- full fabric support with automatic topology and speed sensing
- support for HP Systems Insight Manager 5.0. allows customers to closely monitor and manage Emulex HBAs from within the SMI-S based HP SIM 5.0 application stack

**New!**

**4Gb/s PCIe Dual Channel**

**2 Gb/s PCIe and  
PCI-X Single Channel**

**New!**

**2 Gb/s  
Mezzanine  
card for HP  
ProLiant  
BladeSystem**

For ordering information on the Emulex-based Fibre Channel Mezzanine cards, HP Part No. 394757-B21 and 394588-B21, visit [www.hp.com/go/ bladesystem](http://www.hp.com/go/ bladesystem)

HP BladeSystem  
Solution Builder



[www.emulex.com](http://www.emulex.com)

Hewlett-Packard ships HP-branded Emulex Fibre Channel host bus adapters certified for HP servers and storage. HP and Emulex have enjoyed a longstanding eight year relationship. To ensure a smooth deployment, Emulex has invested in a multi-million dollar HP interoperability lab dedicated to the testing and qualification of products exclusively for HP.

## Unique Advantages

- Investment Protection - firmware upgradeable architecture allows for adapter feature and performance enhancements without changing the hardware
- Seamless Migration - architecture provides full driver compatibility across all Emulex HBA generations for seamless migration
- No-Reboots Minimizes System Downtime - HBA firmware and driver design allows for driver and firmware configuration changes and upgrades without reboots
- Superior Fabric Support and High-Transaction Performance through on-board context cache
- Large on-board data buffer - maintains data flow in busy host and SAN applications

## About Emulex

Emulex is the most trusted name in storage networking connectivity. With over 2 million Fibre Channel HBAs shipped worldwide, Emulex has the largest installed base of any host bus adapter vendor. The world's largest enterprises trust Emulex for SAN connectivity and the world's leading server and storage vendors implement Emulex HBAs in their solutions.

The company's success is an outgrowth of its technology and product leadership and its commitment to HP's success. With first-to-market deployments of new 4 Gb/s and PCIe HBA products, Emulex continues to drive the adoption of next generation storage networking connectivity technologies to help HP's and Emulex's customers stay ahead of the storage technology curve.

# HP Fibre Channel HBAs

## HP Branded and Supported HBA Models

Server Family	HP Storage	OS Support	HP	Emulex	Brief Description	
*New!*	BL20p	MSA, EVA, XP	Win Server 2003 & Linux (64-bit)	394757-B21	N/A	2Gb DC PCI-X Emulex-based Mezz Thor
*New!*	BL25p, 30p, 35p, 40p, 45p	MSA, EVA, XP	Win Server 2003 & Linux (64-bit)	394588-B21	N/A	2Gb DC PCI-X Emulex-based Mezz Thor
	Alpha	MA, ESA, EMA, EVA, XP	Tru64 & OVMS	FCA2384	LP9802	2Gb SC PCI-X Enterprise Pegasus
	Alpha	MSA, EVA, XP	Tru64	FCA2684	LP10000	2Gb SC PCI-X Enterprise Thor
	Alpha	MSA, EVA, XP	Tru64	FCA2684DC	LP10000DC	2Gb DC PCI-X Enterprise Thor
	HP 9000 & Integrity	VA, XP	Win Server 2003 & Linux (64-bit)	A7298A	LP982	2Gb SC PCI-X Mid-range Pegasus
	HP 9000 & Integrity	MSA, VA, EVA, XP	Win Server 2003 (64-bit)	AB232A	LP9802	2Gb SC PCI-X Enterprise Pegasus
*New!*	HP 9000 & Integrity	MSA, EVA, XP	Win Server 2003 (64-bit)	AB466A	LP1050DC	2Gb SC PCI-X Mid-range Thor
*New!*	HP 9000 & Integrity	MSA, EVA, XP	Win Server 2003 (64-bit)	AB467A	LP1050	2Gb DC PCI-X Mid-range Thor
*New!*	ProLiant	HSG80, MSA, EVA, XP	Win 2000 & Server 2003, Linux	FC2142SR	LPe1150	4Gb SC PCI Express Mid-Range Zephyr
*New!*	ProLiant	HSG80, MSA, EVA, XP	Win 2000 & Server 2003, Linux	FC2242SR	LPe11002	4Gb DC PCI Express Enterprise Zephyr
	ProLiant	MSA, EVA, XP	Win 2000 & Server 2003	A7560A	LP1050Ex	2Gb SC PCI Express Mid-range Thor
*New!*	ProLiant	MSA, EVA, XP	Win 2000 & Server 2003	A7387A	LP1050DC	2Gb DC PCI-X Mid-range Thor
*New!*	ProLiant	MSA, EVA, XP	Win 2000 & Server 2003	A7388A	LP1050	2Gb SC PCI-X Mid-range Thor
	ProLiant	HSG80, MSA, VA, EVA, XP	Win NT, 2000 & Server 2003	FCA2404	LP9802	2Gb SC PCI-X Enterprise Pegasus
	ProLiant	HSG80, MSA, VA, EVA, XP	Win NT, 2000 & Server 2003	FCA2404DC	LP9802DC	2Gb DC PCI-X Enterprise Pegasus
	ProLiant	HSG80, MSA, VA, EVA, XP	Win 2000 & Server 2003	FCA2408	LP982	2Gb SC PCI-X Mid-range Pegasus
	Sun	EVA, XP	Solaris 8 & 9	FCA2684	LP10000	2Gb SC PCI-X Enterprise Thor
	Sun	EVA, XP	Solaris 8 & 9	FCA2684DC	LP10000DC	2Gb DC PCI-X Enterprise Thor

Please consult your HP ESS representative for more configuration support details.

## Certified for HP-UX (visit <http://www.emulex.com/ts/docfc/hpuxframe.htm>)

Server Family	HP Storage	OS Support	HP	Emulex	Brief Description
rx-series, Integrity Superdome	N/A	11i v2	N/A	LP10000	2Gb SC PCI-X Enterprise Thor
rx-series, Integrity Superdome	N/A	11i v2	N/A	LP10000DC	2Gb DC PCI-X Enterprise Thor
rp-series, Superdome PA-8700	N/A	11i	N/A	LP10000	2Gb SC PCI-X Enterprise Thor
rp-series, Superdome PA-8700	N/A	11i	N/A	LP10000DC	2Gb DC PCI-X Enterprise Thor
rp-series, Superdome PA-8700	N/A	11i	N/A	LP9002L	2Gb SC PCI Enterprise Centaur
rp-series, Superdome PA-8700	N/A	11i	N/A	LP9002DC	2Gb DC PCI Enterprise Centaur

## HP StorageWorks Enterprise Backup Solution (EBS)

Server Family	HP Storage	OS Support	HP	Emulex	Brief Description
ProLiant	ESL, EML, MSL	Win 2000/2003	A7387A	LP1050DC	2Gb DC PCI-X Mid-Range Thor
ProLiant	ESL, EML, MSL	Win 2000/2003	A7388A	LP1050	2Gb SC PCI-X Mid-Range Thor
ProLiant	ESL, EML, MSL	Win 2000/2003	A7560A	LP1050EX	2Gb SC PCI Express Mid-Range Thor
ProLiant	ESL, EML, MSL	Win 2000/2003	FCA2408	LP982	2Gb SC PCI-X Mid-Range Pegasus
ProLiant	ESL, EML, MSL	Win 2000/2003	FCA2404	LP9802	2Gb SC PCI-X Enterprise Pegasus
ProLiant	ESL, EML, MSL	Win 2000/2003	FCA2404DC	LP9802DC	2Gb DC PCI-X Enterprise Pegasus
Integrity	ESL, EML, MSL	Win 2003	AB466A	LP1050DC	2Gb DC PCI-X Mid-Range Thor
Integrity	ESL, EML, MSL	Win 2003	AB467A	LP1050	2Gb SC PCI-X Mid-Range Thor
Integrity	ESL, EML, MSL	Win 2003	A7298A	LP982	2Gb SC PCI-X Mid-Range Pegasus
Integrity	ESL, EML, MSL	Win 2003	AB232A	LP9802	2Gb SC PCI-X Enterprise Pegasus
UltraSPARC	ESL, EML, MSL	Solaris 8, 9	FCA2684DC	LP10000DC	2Gb DC PCI-X Enterprise Thor
UltraSPARC	ESL, EML, MSL	Solaris 8, 9	FCA2684	LP10000	2Gb SC PCI-X Enterprise Thor
AlphaServer	ESL, EML, MSL	Tru64 5.1	FCA2684DC	LP10000DC	2Gb DC PCI-X Enterprise Thor
AlphaServer	ESL, EML, MSL	Tru64 5.1	FCA2684	LP10000	2Gb SC PCI-X Enterprise Thor
AlphaServer	ESL, EML, MSL	Open VMS 7.3	FCA2384	LP9802	2Gb SC PCI-X Enterprise Pegasus

(For complete details, please refer to the EBS Compatibility Matrix at [www.hp.com/go/ebs](http://www.hp.com/go/ebs))

06-112 10/05

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