



Hewlett Packard
Enterprise

BROCADE 16GB/28 SAN SWITCH FOR HPE BLADESYSTEM C-CLASS (C8S46B)

B-series Switches




WHAT'S NEW

- New 16 Gb/s Fibre Channel embedded switch for HPE BladeSystem c-Class Enclosures
- 16 downlink Internal ports and 12 uplink

OVERVIEW

Are you looking for a higher performance embedded Fibre Channel switch option for your HPE BladeSystem c-Class enclosure?

The Brocade 16Gb SAN Switch for HPE BladeSystem c-Class



(SFP+ or SFP) external ports

- Internal Port Support for 8 Gb/s and 16 Gb/s BladeSystem Fibre Channel Mezzanine cards. For specific support details see HPE BladeSystem Fibre Channel Adapters
- Support for up to six switches per c7000 chassis

represents the next generation of embedded Fibre Channel switches with 16 Gb/s performance. It hot-plugs into the back of the HPE BladeSystem c-Class Enclosure and its integrated design frees up rack space, enables shared power and cooling, and reduces cabling and small form-factor pluggables. Enhanced trunking support with external switches provides higher bandwidth to enable demanding applications and high density server virtualization. In addition, the 16 or 28 auto-sensing ports support lower bandwidth components for investment protection and an upgrade license enables customers to 'pay as they grow'. The Brocade 16Gb SAN Switch saves space and cost, simplifies the SAN environment, enables easier deployment and management and delivers the performance required for higher throughput applications.

FEATURES

Enables Data Center Consolidation and Cost Savings Through State-of-the-art Design and Performance

The Brocade 16 Gb SAN Switch for HPE BladeSystem c-Class enables data center consolidation with HPE BladeSystem c-Class enclosures through a state-of-the-art zero-footprint design while lowering cost through shared power and cooling, fewer cables and SFPs and a reduction in space.

Enables support of virtualized environments through industry leading 16 Gb/s Fibre Channel performance. Both internal and external facing ports auto-sense lower bandwidth components for flexibility and investment protection (4, 8 or 16 Gb/s for external ports and 8 or 16 Gb/s for internal ports).

Enables High Density Virtualization and Deployment of I/O Intensive Applications on HPE BladeSystems

The Brocade 16 Gb SAN Switch for HPE BladeSystem c-Class offers a non-blocking architecture that supports up to 896 Gb/s of full duplex throughput.

Supports port trunking of up to 8 SAN ports for a total of up to 128 Gb/s balanced throughput. Trunking of the SAN-facing ports with external Brocade or HPE B-series Switches provides a high-bandwidth solution while lowering costs through fewer SFPs and cables.

Enables organizations to better manage data flows and meet service level agreements while maintaining optimized application performance in virtual environments with new Adaptive Networking services, including Adaptive Fabric Quality of Service, Traffic Isolation, and Ingress Rate Limiting.



Simplifies Data Center Management Through Integration with Management Platforms and Tools

The Brocade 16 Gb SAN Switch for HPE BladeSystem c-Class integrates with HPE Onboard Administrator for BladeSystem, HPE Systems Insight Manager, and HPE Storage Essentials.

Leverages existing HPE B-series management and monitoring tools.

Enables the use of industry standard interfaces to integrate management with other applications.

Technical specifications

Brocade 16Gb/28 SAN Switch for HPE BladeSystem c-Class

Product Number	C8S46B
Port speed	16 Gb/s Fibre Channel
Aggregate switch bandwidth	896 Gb/s End-to-end, full duplex
Encryption capability	In flight encryption
Protocol supported	Fibre Channel
Availability features	Redundant switches per BladeSystem for high availability Hot-swappable Hot-code load activation
Form factor	Embedded
Upgradability	Standard 16 or 28 ports 12-port upgrade LTU available Power Pack+ upgrade LTU also available for base models
Software (optional)	Power Pack+ Software Bundle ISL Trunking Advanced Performance Monitoring Fabric Watch Extended Fabric HPE SAN Network Advisor Enterprise Software HPE SAN Network Advisor Professional Plus Software



For additional technical information, available models and options, please reference the [QuickSpecs](#)

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Operational Services from HPE Pointnext Services

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- Retire and sanitize
- IT Training and personal development

Other related services

[HPE Education Services](#) delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

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Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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