



**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 (SFP+ or SFP) external ports
- Internal Port Support for 8 Gb/s and 16 Gb/s BladeSystem Fibre Channel Mezzanine cards. For specific support

## **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 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

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details see HPE BladeSystem Fibre Channel Adapters

- Support for up to six switches per c7000 chassis

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**

<b>Product Number</b>	C8S46B
<b>Port speed</b>	16 Gb/s Fibre Channel
<b>Aggregate switch bandwidth</b>	896 Gb/s End-to-end, full duplex
<b>Encryption capability</b>	In flight encryption
<b>Protocol supported</b>	Fibre Channel
<b>Availability features</b>	Redundant switches per BladeSystem for high availability Hot-swappable Hot-code load activation
<b>Form factor</b>	Embedded
<b>Upgradability</b>	Standard 16 or 28 ports 12-port upgrade LTU available Power Pack+ upgrade LTU also available for base models
<b>Software (optional)</b>	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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**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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