

HPE SN1200E 16Gb Fibre Channel Host Bus Adapter

What's new

- 16 Gb Single Port Fibre Channel Host Bus Adapter
- 16 Gb Dual Port Fibre Channel Host Bus Adapter

Overview

Is your data center poised to take the 16 Gb step in Fibre Channel (FC) connectivity?

The growth in enterprise flash storage and the deployment of servers with multi-core processors is driving the need for high performance storage networking to prevent application performance bottlenecks. The FC Host Bus Adapter (HBA) is a critical element of this storage network to improve storage performance.

The HPE SN1200E 16Gb Fibre Channel Host Bus Adapters deliver the high bandwidth, low latency and high IOPs to meet any application requirements, from online transaction processing or data warehousing to backup/restore and OpenStack Cinder block storage.

Supporting higher virtual machine density on powerful host servers, the SN1200E 16Gb HBAs delivers increased ROI on enabling more applications and virtual machines to run on a single server and I/O port without impacting SLAs. The 16 Gb FC HBA is backward compatible with 8 and 4 Gb FC storage networks to protect legacy investments.

Features

The High Performance Fibre Channel Host Bus Adapters

The HPE SN1200E 16Gb Fibre Channel Host Bus Adapters deliver twice the I/O performance of 8Gb Fibre Channel (FC) Host Bus Adapters (HBAs) while being backward compatible with 8 and 4Gb FC environment.

Moving to 16 Gb technology provides the infrastructure required for the more powerful servers and data intensive applications of the future.

When using storage intensive applications like backup/restore, database transactions, virtualization and rich media, the improved I/O performance enables faster storage and retrieval of data.

Faster Flash

The HPE SN1200E 16Gb Host Bus Adapters accelerate the time to business insight by completing data warehousing queries faster than 8 Gb FC HBAs.

Meets the massive bandwidth requirements of flash storage arrays.

Increases the performance of flash-based storage by prioritizing mission critical traffic in congested networks with exclusive ExpressLane feature.

Better Virtualization

The HPE SN1200E 16Gb Host Bus Adapters provides near limitless scalability to support increased virtual machine (VM) density with 2x more on-chip resources and bandwidth than previous offerings.

Improves the virtual desktop infrastructure (VDI) end-user experience with low latency features providing noticeable improvements during boot storms (degradation of service that occurs when a significant number of end-users boot up within a very narrow time frame and overwhelm the network).

Simplifies management and installation with OneCommand Manager plugin for VMware® vCenter® server.

Enhanced Features

The HPE SN1200E 16Gb Fibre Channel Host Bus Adapters are designed to support emerging NVM Express (NVMe) over Fibre Channel storage networks.

Provides latest security features that averts unauthorized access to the Host Bus Adapter (HBA) firmware.

T10 Protection Information (T10-PI) data integrity with high performance hardware offload provides data protection from the server to the storage array.

Technical specifications

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Compatible operating systems

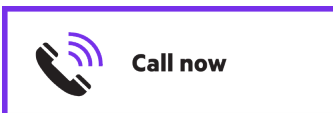
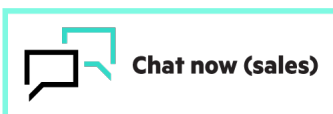
Please visit <https://www.hpe.com/storage/spock> for the latest available information on Operating System support





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

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Consulting services

Experts can help you map out your path to hybrid cloud and optimize your operations.

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The Defective Media Retention (DMR) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. Comprehensive Defective Material Retention (CDMR) allows you to keep all data retentive components.

HPE GreenLake

HPE GreenLake edge-to-cloud platform is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please explore them [here](#).

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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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[PSN1009474233EMEA_MIDDLE_EASTEN](#), August, 2024.