



HPE SN1600E 32GB FIBRE CHANNEL HOST BUS ADAPTER

Host Adapters

WHAT'S NEW

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

OVERVIEW

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

The explosive 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 SN1600E 32Gb Host Bus Adapter delivers the ultimate in high bandwidth, low latency and increased IOPs to meet enterprise application requirement, from online database transaction processing or data warehousing to backup/restore and OpenStack Cinder block storage.

Delivering twice the performance of current 16Gb HBAs, the SN1600E 32Gb FC HBA delivers better business outcomes across multiple industry verticals that rely on high performance, improved reliability Fibre Channel block storage in their storage infrastructures.

FEATURES

High-performance 32Gb Fibre Channel Host Bus Adapters

The HPE SN1600E 32Gb Fibre Channel Host Bus Adapters delivers twice the bandwidth of 16Gb Fibre Channel Host Bus Adapters while being backward compatible with 16 and 8 Gb FC environments.

- More data moved per Watt of power consumed when compared to the Generation 5 (16 Gb) FC adapters.
- Higher performance with existing server investments when compared to the Generation 5 (16 Gb) FC adapters.

Faster Flash

The HPE SN1600E 32Gb Fibre Channel Host Bus Adapters accelerate the time to business insight by completing data warehousing queries in 1/4th of the time (compared to 8 Gb FC HBA).

- Meets the massive bandwidth requirements of flash storage arrays with up to 32 Gb FC throughput.
- Increases the performance of flash based storage by prioritizing mission critical traffic in congested networks with the exclusive ExpressLane feature.

Increase Server Virtualization Performance

- The HPE SN1600E 32Gb Fibre Channel Host Bus Adapters delivers near limitless scalability to support increased VM density with 2X more on-chip resources and bandwidth than Gen5 Fibre Channel.
- 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 SN1600E 32Gb Fibre Channel Host Bus Adapters are designed to support emerging NVM Express (NVMe) over Fibre Channel storage network.
- 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

HPE SN1600E 32Gb Fibre Channel Host Bus Adapter

Compatible operating systems

Microsoft Windows
Red Hat Enterprise Linux (RHEL)
SUSE Linux Enterprise Server (SLES)
VMware
Hyper-V
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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Operational Services from HPE Pointnext Services

[HPE Pointnext Tech Care](#) provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

[HPE Pointnext Complete Care](#) is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

HPE Integration and Performance Services help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- 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.

HPE GREENLAKE

[HPE Greenlake](#) is HPE's market-leading IT 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. HPE GreenLake delivers public cloud services and infrastructure for workloads 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 Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

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.

Image may differ from the actual product
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