



HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter (Q0L11A)

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 StoreFabric 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 StoreFabric 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 StoreFabric 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 StoreFabric 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 StoreFabric 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 StoreFabric 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 StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

| | |
|---------------------------------------|--|
| Product Number (SKU) | Q0L11A |
| Compatible operating systems | Microsoft Windows Red Hat Enterprise Linux (RHEL) SUSE Linux Enterprise Server (SLES) VMware Hyper-V Please visit www.hpe.com/storage/spock for the latest available information on Operating System support |
| Minimum dimensions (H x W x D) | 120.7 x 21.5 x 185.7 mm |
| Weight | 128 g |

For additional technical information, available models and options, please reference the QuickSpecs

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Operational Services


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- **HPE Datacenter Care** offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalise deliverables and share best practices, as well as optional building blocks to address specific IT and business needs.
- **HPE Proactive Care** is an integrated set of hardware and software support including an enhanced call experience with start to finish case management helping resolve incidents quickly and keeping IT reliable and stable.
- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.


Advisory Services includes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.

Professional Services helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

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