Hewlett Packard Enterprise

HPE SN1600E 32GB DUAL PORT FIBRE CHANNEL HOST BUS ADAPTER (Q0L12A)

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 Dual Port Fibre Channel Host Bus Adapter

Product Number (SKU)	Q0L12A
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
Product Dimensions (metric)	120.7 x 21.5 x 185.7 mm
Weight	154 g

Most, if not all IT organizations are on a digital transformation journey — each at a different stage. With over 11,000 IT projects conducted and 1.4 million customer interactions each year, HPE Pointnext Services' 15,000+ experts and its vast ecosystem of solution partners and channel partners are uniquely able to help you at every stage of your digital transformation. We bring together technology and expertise to help you drive your business forward and prepare for whatever is next.

Advisory and Professional Services help you accelerate your digital transformation. Operational Services help you remove complexity and respond rapidly to business demands.

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 Datacenter Care** helps modernize and simplify IT operations. Partner with an assigned account team, access technical expertise, an enhanced call experience gives you priority access, choose hardware and software support, implement proactive monitoring to help stay ahead of issues, and access HPE IT best practices and IP.

- **HPE Proactive Care** offers an enhanced call experience and helps reduce problems with personalized proactive reports and advice. This also includes collaborative software support for Independent Software Vendors (ISVs), (Red Hat, VMWare, Microsoft, etc.). Read more

- **HPE Foundation Care** helps when there is a problem and has a choice of response levels. Collaborative software support is included and provides troubleshooting help for ISVs running on your server. Read more.

Other related services

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

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