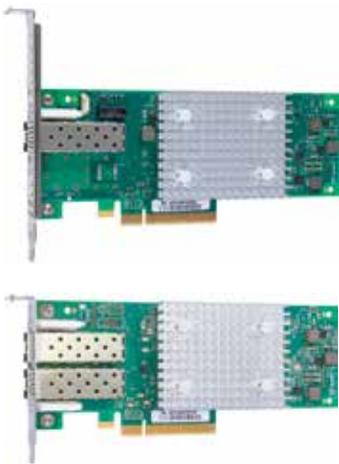




HPE StoreFabric SN1600 32Gb Fibre Channel Host Bus Adapters



Delivers twice the bandwidth of 16 Gb Fibre Channel (FC) Host Bus Adapters (HBAs) for enterprises requiring a SAN connectivity solution with unmatched performance, reliability, and server utilization. Is your data center poised to take the next step in FC connectivity?

The explosive growth in enterprise flash storage and the deployment of servers with multicore processors is driving the need for high performance storage networking to prevent application performance bottlenecks. The server's FC HBA is a critical element of this storage network.

The HPE StoreFabric SN1600 32Gb FC HBA delivers the ultimate in high bandwidth, low latency, and high IOPS to meet any application requirement, from database online transaction processing or data warehousing to backup or restore and OpenStack® Cinder block storage.

Delivering twice the performance of current 16 Gb HBAs, the HPE StoreFabric SN1600 32Gb FC HBA delivers better business outcomes across multiple industry verticals that rely on high performance, guaranteed reliability FC block storage in their storage infrastructure.

Key features and benefits

The HPE StoreFabric SN1600 32Gb FC HBAs

- Delivers twice the bandwidth of 16 Gb FC HBAs
- Moves more data per watt of power consumed when compared to the Generation 5 (16 Gb) FC adapters
- Provides higher performance with existing server investments when compared to the Generation 5 (16 Gb) FC adapters

Faster flash

- The HPE StoreFabric SN1600 32Gb FC HBAs accelerate the time to business insight by completing data warehousing queries in one-fourth of the time (compared to 8 Gb FC HBA).
- It meets the massive bandwidth requirements of flash storage arrays with up to 32Gb FC throughput.
- It increases the performance of flash-based storage by prioritizing mission-critical traffic in congested networks with the exclusive ExpressLane feature.

Better virtualization

- The HPE StoreFabric SN1600 32Gb FC HBAs deliver near limitless scalability to support maximum VM density with 2X more on-chip resources and bandwidth.
- It improves the virtual desktop infrastructure (VDI) end user experience with low latency feature providing noticeable improvements during boot storms.
- Advanced diagnostics capabilities when used in conjunction with HPE StoreFabric B-series FC switches can reduce troubleshooting and downtime with support for features like D-port diagnostics, Link Cable Beaconsing (LCB), Read Diagnostic Parameters (RDP), enhanced FDMI, FC Ping, and FC Trace Route.

Enhanced features

- The HPE StoreFabric SN1600 32Gb FC HBAs are designed to support emerging Non-Volatile Memory Express (NVMe) over FC standard.
- It provides the latest security feature that prevents unauthorized access to HBA firmware.
- T10 Protection Information (T10-PI) data integrity with high-performance hardware offload provides data protection from the server to the storage array.

HPE StoreFabric SN1600 32Gb FC HBA

Port speed	32 Gbps FC
Channels	Single or dual Depending on model
Slot type	PCIe
Servers supported	HPE ProLiant platforms Refer to server QuickSpecs for details regarding option support
Compatible array platforms	Please visit hpe.com/storage/spock for the latest support information
Compatible operating systems	Hyper-V Microsoft Windows Server 2016 Microsoft Windows Server 2012 Microsoft Windows Server 2012 R2 Red Hat® Linux® SUSE Linux Please visit hpe.com/storage/spock for the latest available information on operating system support
Warranty (parts-labor-onsite)	3/0/0
Warranty and included services	3-year parts exchange. Remote telephone support with parts replacement when diagnostics confirm failure. Normal next-business-day response

HPE StoreFabric SN1600Q 32Gb 1p FC HBA and HPE StoreFabric SN1600E 32Gb 1p FC HBA

Model differentiator	Single port 32 Gb FC PCIe HBA
Port speed	32 Gbps FC
Channels	Single
Servers supported	HPE ProLiant platforms Refer to server QuickSpecs for details regarding option support
Compatible array platforms	Always check SPOCK for the latest support information
Compatible operating systems	Microsoft Windows Server 2016 Microsoft Windows Server 2012 Microsoft Windows Server 2012 R2 Red Hat Enterprise Linux (RHEL) Hyper-V SUSE Linux Please visit hpe.com/storage/spock for the latest available information on operating system support
Warranty (parts-labor-onsite)	3/0/0
What is in the box	Single port 32 Gb FC PCIe HBA

HPE StoreFabric SN1600Q 32Gb 2p FC HBA and HPE StoreFabric SN1600E 32Gb 2p FC HBA

Model differentiator	Dual port 32 Gb FC PCIe HBA
Port speed	32 Gbps FC
Channels	Dual
Servers supported	HPE ProLiant platforms Refer to server QuickSpecs for details regarding option support
Compatible array platforms	Always check SPOCK for the latest support information
Compatible operating systems	Microsoft Windows Server 2016 Microsoft Windows Server 2012 Microsoft Windows Server 2012 R2 RHEL Hyper-V SUSE Linux
Warranty (parts-labor-onsite)	3/0/0
What is in the box	Dual port 32 Gb FC PCIe HBA

Resources

[QuickSpecs](#)

[Buy online](#)

[Storage Adapters](#)

[StoreFabric](#)

The total package

The HPE StoreFabric 32Gb FC HBAs are the highest performing storage interfaces for HPE ProLiant Gen9 servers. Servers that are running Tier-1 applications, a high virtual machine density, or connecting to an all-flash HPE 3PAR array will need a high-speed infrastructure to drive I/O operations. The 32 Gb HBA should be the de facto performance standard for all HPE ProLiant Gen9 servers.

HPE Services

Expert HPE storage consultants and service professionals sit down with you and your team to map your storage needs. Not only can we help you accelerate implementation and reduce deployment risk, but we can also help you realize the full value of your storage purchases.

Advise, transform, and integrate: Navigate through the complexities of storage, backup, archive, disaster recovery, and Big Data with advisory, transformation, and integration consulting

Deploy and implement: Access expertise to support deployment, operations, relocation, sanitization, and disposal, plus improvement-focused education

Operate and support: Find the level of personalized, proactive, and simplified support right for your business:

- **HPE Foundation Care Services**

System-level IT hardware and software support delivers flexible coverage window and response time for more choice and simplicity.

- **HPE Proactive Care Services**

Combined reactive and proactive services provide easy-to-purchase, cost-efficient, system-level support coupled with personalized expert advice and products connected to Hewlett Packard Enterprise to help prevent problems and reduce downtime.

- **HPE Datacenter Care Services**

Get the support you need to deploy, operate, and evolve your data center environment to be hybrid cloud ready with single point of accountability for HPE and others' product.

Note: Specific service availability varies by product.

Get connected and get back to business—HPE Storage Technology Services provide the path to get your HPE storage solutions and your business connected to Hewlett Packard Enterprise. Once connected, our experts are able to scan your system and run health checks, then use that data to create personalized reports and recommendations for actions to take to prevent problems and downtime.

Learn more at
hpe.com/us/en/services.html



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