Hewlett Packard Enterprise

HPE SN1610Q 32GB 2-PORT FIBRE CHANNEL HOST BUS ADAPTER (R2E09A)

Host Adapters

OVERVIEW

Are you looking for a high-performance Fibre Channel (FC) adapter for the modern storage area network?

With improvements in server performance, increased virtualization, as well as flash and NVMe storage, the existing storage can become the bottleneck in your environment. The FC host bus adapter (HBA) is a critical element of this storage area network to improve storage performance.

The HPE SN1610Q 32Gb Fibre Channel Host Bus Adapter provides significant I/O performance and security benefits to accelerate databases, host more virtual machines, support emerging technologies such as NVMe and reduce total cost of ownership. It delivers better business outcomes across multiple industry verticals that rely on high performance, safe, and reliable storage connectivity for their storage infrastructure.

FEATURES

32 Gb High-performance Fibre Channel Host Bus Adapters

HPE SN1610Q 32Gb Fibre Channel Host Bus Adapter offers higher bandwidth, better latency, enhanced security, and operational efficiency for 32 GFC storage area networks.

Performance of up to 2 million IOPS and 12,800 Mbps of aggregate throughput.

Simultaneous support for FCP-SCSI and FC-NVMe to make transition from legacy SCSI environments to new NVMe environments seamless.

Higher performance with existing server investments when compared to 16 Gb FC adapters.

More data moved per watt of power consumed when compared to 16 Gb FC adapters.

High Performance and Enhanced Capability for Critical Workloads and High SLA Environments

HPE SN1610Q 32Gb Fibre Channel Host Bus Adapter supports N_Port ID virtualization (NPIV), virtual machine ID (VM-ID), and industry standards-based class-specific control (CS_CTL). These provide end-to-end quality of service (QoS).

Improve database transactional performance, enable faster business decisions with better data mining, and host more VMs.

Port isolation design delivers deterministic and scalable performance on each port.

Provides hardware root of trust to protect against malicious firmware downloads.

Delivers enhanced security via the new secure firmware update feature which protects and
ensures the authenticity of device firmware.

Lower Total Cost of Ownership

HPE SN1610Q 32Gb FC HBA integrates with HPE SmartSAN, HPE Smart Fabric Orchestrator, HPE B-Series, and HPE C-Series switch management platforms, reduces total cost of ownership (TCO) and improves reliability.

Support for Fabric Assigned – World Wide Network (FA-WWN) and Fragment-Based Lead Discovery (F-BLD) provides fabric pre-provisioning services to simplify SAN deployment and orchestration.

With support for features such as D-port diagnostics, Link Cable Beaconing (LCB), Read Diagnostic Parameters (RDP), enhanced FDMI, FC Ping, and FC

Trace Route, administrators can quickly run many automated diagnostic tests to assess the health of links and fabric components.

PCI Express (PCIe) 4.0 Support

HPE StoreFabric SN1610Q 32Gb Fibre Channel Host Bus Adapter includes PCIe 4.0 and provides better interconnect performance bandwidth when compared to PCIe 3.0.

Technical specifications

HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter

Product Number (SKU)	R2E09A
Bus type	PCIe 4.0
Form factor	2U
Power	12.3W Max -No SFP
Server type supported	HPE ProLiant platforms. Please refer to the Server QuickSpecs for more information.
Compatible operating systems	Red Hat®, Linux® SUSE Linux, VMware®, Microsoft®, Windows®. Visit www.hpe.com/storage/spock for the latest available information on Operating System support.
Minimum dimensions (H x W x D)	68.9 x 167.6 mm
Weight	Dual Port: 120 g
Warranty	Three-year limited warranty, parts exchange next business day delivery. For more warranty information refer to http://www.hpe.com/storage/warranty
Connector type	SFP+

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Access expertise at every step of your IT journey with HPE Pointnext Services. Advisory Services focuses on your business outcomes and goals, to design your transformation and build a roadmap tuned to your unique challenges. Our Professional and Operational Services help speed up time-to-production and keep your IT stable and reliable.

Operational Services from HPE Pointnext Services

- **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.

HPE Service Credits offers a menu of technical services, access additional resources, and specialist skills.

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.
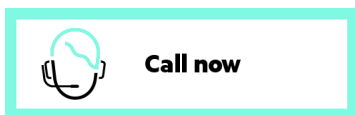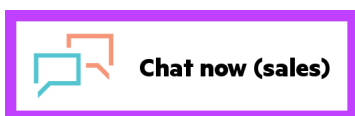
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