HPE SN1100Q 16Gb Host Bus Adapter

HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter (P9D94A)

What's new

- Lowest entry point to any SAN configuration

Overview

Is your remote office, department or company looking to consolidate data spread across multiple HPE ProLiant servers into a highly reliable and affordable SAN?

There are many benefits to a consolidated storage strategy. The HPE SN1100Q 16Gb Host Bus Adapters (HBAs) build a Fibre Channel connection when installed into an HPE ProLiant server and cabled to a switch and storage device.

Multiple physical HPE ProLiant servers and/or virtual servers can be routed using a Fibre Channel switch to an HPE storage array such as the HPE MSA, HPE Nimble Storage or HPE Alletra storage devices. This level of consolidation concentrates storage management on one storage device and provides an equally powerful and reliable connection for each server and its applications. Additionally, an onsite data protection device such as a disk or tape backup can leverage the same Fibre Channel infrastructure helping eliminate slow over-the-network backups.

Features

SAN Delivers a Compounding Set of Application and Storage Benefits

Implement a high-performance SAN data connection for improving database performance and their applications.

If using virtual servers, realize each server will generate their I/O that could overrun an Ethernet network but would be accelerated on a Fibre Channel SAN network.

Sharing a high-speed storage array helps maximize HPE ProLiant servers and their associated application performance while allowing storage management tasks to be performed on one storage device — not repetitive storage tasks at each HPE ProLiant.

The Fibre Channel protocol is the most secure method to deliver data

The SN1100Q 16Gb HBA uses Fibre Channel as the data transport protocol. That protocol has no IP address and requires other devices to use the Fibre Channel protocol. This protocol helps eliminate any outside communications making it impervious to outside attacks.

Data delivery is performed with extra features designed to automate error

correction to prevent delivery retries.

While the Fibre Channel protocol can securely deliver data on a connection, Fibre Channel also allows multiple physical connections from server to storage to reduce potential downtime from issues such as bad or unplugged cables, faulty connectors, faulty switch ports or weak storage controllers.

Expand or Contract the SAN as Needed

A Fibre Channel SAN allows for the introduction of additional HPE ProLiant servers if there are available active Fibre Channel switch ports. Generally, an HPE ProLiant server can be introduced, configured, and booted without disruption to the existing devices.

If physical servers are not part of the expansion strategy, virtual servers can be introduced with similar ease with products like VMware vSphere® Storage vMotion® where, for example, you can move multiple virtual machines onto a new server in the SAN.

Technical specifications

HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter

Product Number	P9D94A
Platform supported	HPE ProLiant ML and DL Gen10 and Gen10 Plus servers
Data rate	16 Gb/s
Bus type	PCI 3.0
Form factor	Stand-up PCI
Power	Single Port 9.3 Watts Max, Dual Port 14 Watts Max
Server type supported	Most HPE ProLiant Gen10 and Gen10 Plus Servers
Compatible operating systems	Microsoft Windows Red Hat® Linux® SUSE Linux VMware® visit www.hpe.com/storage/spock for the latest available information on operating system support.
Product dimensions (metric)	30.5 x 21.6 x 11.4 cm
Weight	0.68 kg
Warranty	3-0-0
Connector type	Shortwave SFP+
Supported cables	OM3 or OM4 shortwave, 50 micron up to 100 meters

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

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Experts can help you map out your path to hybrid cloud and optimize your operations.

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- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

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The Defective Media Retention (DMR) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. Comprehensive Defective Material Retention (CDMR) allows you to keep all data retentive components.

HPE GreenLake

HPE GreenLake edge-to-cloud platform is HPE's market-leading 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, 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.

Explore **HPE GreenLake**

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Hewlett Packard Enterprise

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