

Overview

The HP Integrity 16Gb Host Bus Adapters are designed to support Integrity Servers with PCI-Express I/O slots to connect to HP Storage Arrays using the 16/8/4 Gb Fibre Channel protocol.

The HP Integrity 16Gb Host Bus Adapters bring datacenter infrastructure components to a higher level of performance and efficiency with the ability to deliver twice the I/O performance of 8Gb HBAs. A 16Gb FC HBA purchased today is backward compatible with 8 and 4 Gb storage networks and will protect future investments. When using storage intensive applications, such as backup/restore, database transactions, virtualization, and rich media, the increased performance of the 16 Gb infrastructure enables more rapid storage and retrieval of critical information. Designed for environments with greater virtual machine density and bandwidth requirements, the 16Gb HBAs enable more applications and VMs to run on a single server and Fibre Channel port, resulting in reduced cabling and a higher return on IT investment.

What's New

- HP Integrity SN1000Q Single Port 16GB Fibre Channel Host Bus Adapter
 - HP Integrity SN1000Q Dual Port 16GB Fibre Channel Host Bus Adapter
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Key Features and Benefits

Performance

Delivers twice the data throughput (MB/s) compared to 8Gb FC HBAs

- High link speed allows larger data block sizes to be moved in lesser time resulting in improved application performance

Support for greater Server Virtualization

Ideal for high density server virtualization environments

- Enables more applications and VMs to run on a single server and Fibre Channel port, resulting in reduced cabling and a higher return on IT investment

Provides HP Integrity Connectivity to Storage And Network

Robust interoperability testing

- Provides an HP-branded HBA solution which has undergone extensive HP interoperability testing for connecting HP Integrity servers into storage and networking environments.
- Optimal for connecting to HP's 16Gb FC edge/core network switches.

Improved IOPS performance per watt

Power savings result in lower Operating expenditure

Both the cards will support NPIV.

Models

Models

	Description	Part Number
Single Port	HP Integrity SN1000Q 1-port 16GB Fibre Channel Host Bus Adapter	B9F23A
Dual Port	HP Integrity SN1000Q 2-port 16GB Fibre Channel Host Bus Adapter	B9F24A

Support Services and Warranty Information

Warranty

3-0-0 Three-year parts exchange warranty. Additional warranty protection can be purchased.

HP Global Services provides a three-year, limited warranty, fully supported by a worldwide network of resellers and service providers and toll-free 7 x 24 hardware technical phone support for the duration of the warranty. In addition, available service offerings include a full range of HP Care Pack packaged hardware and software services.

NOTE: Certain restrictions and exclusions apply. Consult the [HP Customer Support Center](#) for details.

HP Support Services

- HP Support Services span the entire technology lifecycle, and can help to increase uptime, productivity and RoI. With our support capabilities and portfolio of services, HP can help you build an infrastructure that is reliable, highly available, responsive and rooted in proven best practices. HP offers a support experience that is proactive, personalized and simplified - delivering support when you need and how you need. We simplify your support experience with straightforward service-levels, single point of contact, and leverage automation and online tools to optimize performance and address issues proactively. HP's support portfolio includes:

HP Foundation Care: Reactive hardware and software support services that is enhanced by HP Support Center and HP Insight Remote Support to provide faster personalized support experience. This level of service provides the essential support for IT infrastructure to help resolve problems faster and keep the business running.

hp.com/services/foundationcare

HP Proactive Care- combines reactive and proactive services to help resolve complex problems faster and more easily while reducing unplanned outages. For business critical environments, HP offers higher value support services, that leverage high performance reactive support, proactive support, remote and onsite support, and consultations with HP technology experts.

hp.com/services/proactivecare

hp.com/services/missioncritical

HP Datacenter Care: Environmental-level support customized for customers' unique business needs. This offers flexible support service designed to help customers consistently meet service-level targets and other business objectives.

hp.com/services/datacentercare

HP Lifecycle Event Services: Per-event services that reduce customer's time to value throughout the technology lifecycle and enhance performance.

hp.com/services/lifecycleevent

For more information

hp.com/services/support

To learn more on HP Sever Services, please contact your HP sales representative or HP Authorized Channel Partner

HP Care Pack Services are sold by HP and HP Authorized Service Partners:

- Services for customers purchasing from HP or an enterprise reseller are quoted using HP order configuration tools.
- Customers purchasing from a commercial reseller can find HP Care Pack Services at: www.hp.com/go/lookuptool

Technical Specifications

	B9F23A	B9F24A
Number of channels	Single	Dual
Port Speed	16 Gbps	16 Gbps
Slot type supported	PCI Express 2.0 to Fibre Channel	PCI Express 2.0 to Fibre Channel
Supported OS	HP UX	HP UX
Servers Supported		
Array Platforms Supported		
What's Included in the Box?	16 Gbps HBA with standard bracket, one 16 Gbps SFP+, low-profile bracket, documentation	16 Gbps HBA with standard bracket, two 16 Gbps SFP+, low-profile bracket, documentation
Environmental - Operating Temperature	32° F to 131° F (0° C to 55° C)	32° F to 131° F (0° C to 55° C)
Environmental - Storage Temperature	-4° F to 158° F (-20° C to 70° C)	-4° F to 158° F (-20° C to 70° C)
Environmental - Relative Humidity - Operating	15% to 80% RH at 40° C (non-condensing)	15% to 80% RH at 40° C (non-condensing)
Product Dimensions (W x D x H)	6.63 x 0.63 in. (119 x 168 x 16mm)	6.63 x 0.63 in. (119 x 168 x 16mm)
Media	Multi-mode Optic (SFP+)	Multi-mode Optic (SFP+)
Connector	Short wave laser with LC type connector	Short wave laser with LC type connector
PCIe Connector	PCIe 2.0 x8	PCIe 2.0 x8
Auto-negotiation	16/8/4 Gbps	16/8/4 Gbps
Brackets	Shipped with both ½ height and full-height brackets	Shipped with both ½ height and full-height brackets

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