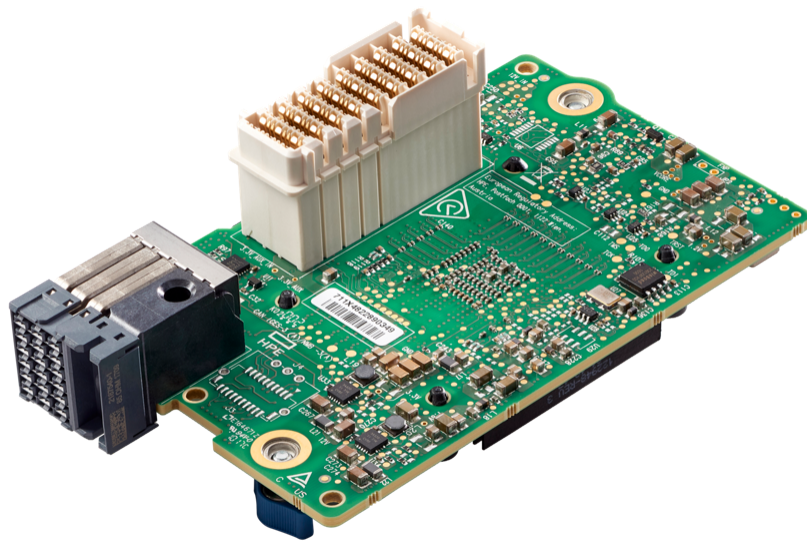


HPE Synergy 5830C 32Gb Fibre Channel Host Bus Adapter



Overview

Would you like to increase your network's I/O performance while simplifying the connection between HPE Synergy Compute modules and complex storage environments? Designed for the HPE Synergy Composable Fabric, HPE Synergy 5830C 32Gb Fibre Channel (FC) Host Bus Adapter (HBA) connects Synergy Compute resource pools to SANs over 32 Gb native FC fabrics. This provides high-performance due to low latency connectivity to the HPE Synergy Virtual Connect FC modules and Brocade® FC Switch modules. The HPE Synergy 5830C supports advanced virtualization, security, dual-port isolation, dynamic power management and low CPU utilization features. Provisioning and updating HPE Synergy 5830C are easy, reliable and fast using HPE Synergy software-defined, template-driven, frictionless operation. The HPE Synergy Composer automatically coordinates proper firmware and driver including staging updates to execute and avoid workload disruption.

Features

High Performance

The HPE Synergy 5830C 32Gb FC HBA provides low latency and flexible connectivity to HPE Synergy Virtual Connect FC modules and Brocade® FC Switch modules.

Support for CS_CTL and VM-ID provide end to end quality of service in virtualized server environments, enabling SAN administrators more visibility to storage traffic associated with specific VM workloads, and improving their ability to meet SLA agreements.

Move Faster

Providing twice the bandwidth of 16 Gb FC HBAs, the HPE Synergy 5830C 32Gb HBA can reduce the time it takes to complete bandwidth-intensive applications like backup and restore operations.

It provides close to 1.2 million IOPs reducing latency in storage dependent applications and virtualized environments.

It delivers higher, more consistent performance with full port isolation and independent processor, memory and drivers for each port.

Work Efficiently

The HPE Synergy 5830C 32Gb FC HBA helps minimize CPU utilization for storage I/O and is ideal for environments with greater virtual machine density and bandwidth requirements.

It reduces hardware needed to connect servers to the network compared to using 16 Gb Fibre Channel adapters.

It provisions and updates all adapters quickly and consistently using the HPE Synergy template-driven server profiles.

It orchestrates reliable adapter firmware updates with an entire HPE Synergy infrastructure from a single tool, HPE Synergy Composer.

Technical specifications

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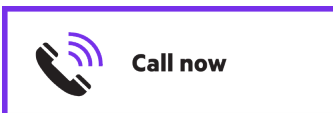
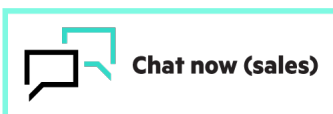
Data rate	32 Gb
Bus type	PCIe 3.0 x8
Power	<12W
Product dimensions (imperial)	4.550 x 1.391 x 2.560 in (L x H x W)
Weight	0.216 lbs




[For additional technical information, available models and options, please reference the QuickSpecs](#)

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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](#).

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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