



HPE SYNERGY 20GB INTERCONNECT LINK MODULE (779218-B21)

Synergy Interconnect Link Modules



OVERVIEW

Wouldn't you like to consolidate legacy hierarchical architectures based 20Gb architecture or do you need to increase data throughput and reduce latency with only a single hop within large domains of virtual machines or compute modules?

The HPE Synergy 20Gb Interconnect Link Module part of the HPE Synergy composable fabric extends satellite frame connectivity back to the primary frame. Based on disaggregated, rack-scale design, it uses a primary/satellite

architecture to consolidate data center network connections, reduce hardware and scale network bandwidth across multiple HPE Synergy Frames.

The primary module contains intelligent networking capabilities that extend connectivity to frames equipped with satellite modules. This reduces top of rack switch need and substantially decreases costs. The reduction in components simplifies fabric management at scale while consuming fewer ports at the data center aggregation layer.

FEATURES

Reduces the Need for Fixed Ratios of Interconnects and Substantially Reduces Cost and Complexity

The HPE Synergy 20Gb Interconnect Link Module part of the HPE Synergy composable fabric extends satellite frame connectivity back to the primary frame. This connectivity is through zero latency cables and replaces fixed ratio of interconnects with flexible ratio of networking pool of resources.

Satellite frames inherit all the benefits of primary module. Up to four additional satellite frames can be connected to the primary module with one Synergy 20Gb Interconnect Link Module.

Firmware upgrades on the primary module won't affect the Synergy Interconnect Link Modules making software upgrades on the primary module less impactful to satellite modules.

Adding a satellite frame doesn't increase east/west traffic hop count between Synergy Compute Modules connected to same primary module. Up to 36 Synergy Compute Modules with one-hop can be supported with primary module.

Adding frames with Synergy 20Gb Interconnect Link Modules doesn't consume ports on the aggregation switch.

Flexible with Different Edge Network Architecture

The HPE Synergy 20Gb Interconnect Link Module fits into different architecture based on edge interconnect needs.

Supports both the HPE Virtual Connect SE 40Gb F8 Module for Synergy and the HPE Synergy 40Gb F8 Switch Module for increased flexibility.



Technical specifications

HPE Synergy 20Gb Interconnect Link Module

Product Number (SKU)	779218-B21
Performance	Non-blocking architecture
Ports	12 x 20GbE downlinks through the mid-plane and 2 x 120GbE interconnect link ports to master module
Connectors and cabling	Interconnect Link module cables
Indicators and buttons	Health LED, UID LED, Link cable port LEDs, and Compute Module Link LEDs
Power specifications	12V @ 13.75A (165 W)
Latency	Low-latency design (<5ns round trip)
Product Dimensions (metric)	398 x 496 x 149.5 mm (shipping)
Weight	2.81 kg (shipping)
Warranty	3 year Parts, 3 year Labor, 3 year On-site support



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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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