ComX Computers
Product Specification Sheet

571956-B21

HP Virtual Connect FlexFabric 10Gb/24-port Module for c-Class BladeSystem

Product Overview

HP Virtual Connect FlexFabric 10Gb/24-port Module for c-Class BladeSystem



Specifications

Overview:

HP Virtual Connect FlexFabric 10Gb/24-port Modules are the simplest, most converged and flexible way to connect virtualized server blades to any data or storage network. VC FlexFabric modules eliminate up to 95% of network sprawl at the server edge with one device that converges traffic inside enclosures and directly connects to LANs and SANs.

Using Flex-10 technology with Fibre Channel over Ethernet and Accelerated iSCSI, these modules converge traffic over high speed 10 Gb connections to servers with HP FlexFabric Adapters. Each module provides four adjustable connections (three data and one storage or all data) to each 10 Gb server port.

Avoid the confusion of traditional and other converged network solutions by eliminating the need for multiple Ethernet and Fibre Channel switches, extension modules, cables and software licenses. Also, Virtual Connect wire-once connection management is built-in, enabling server adds, moves, and replacement in minutes instead of days.

Features:

Simplify the Server Edge with 95% Consolidation and Faster Deployment of Network Connections

- The HP Virtual Connect FlexFabric 10Gb/24-port Module cuts 95% of hardware to connect servers to networks: Only two VC FlexFabric modules connect an enclosure of HP server blades to both data and storage networks, eliminating multiple switches, cards, and cables
- Provides 4:1 consolidation of interconnect equipment: Each HP VC FlexFabric module can replace up to three Ethernet and one Fibre Channel switches in an HP BladeSystem enclosure
- Reduces networking TCO at the server edge: Save up to 65% on equipment resulting in more than $1M savings for only 15 enclosures. Save another 40% on power and cooling costs per year

- Simplifies connection management: Wire-once, then add, move and change network connections to 1000's of servers in minutes vs. days from one console without affecting your LAN and SAN
- Virtual Connect (v3.30 and greater) improves network visibility for troubleshooting from a command line interface with secure access for network teams via TACACS+ or RADIUS

Flexible configuration of network and storage connection quantity and performance

- One flexible interconnect connects to any network: One device supports most common data center network protocols: Ethernet, Fibre Channel, iSCSI.
- Fine-tune performance: Fine-tune the performance of each data and storage connection to meet the needs of each virtual machine and workload.
- Optimized for hypervisor i/o requirements: With Flex-10 two modules provide 6 FlexNIC and 2 FlexHBA connections to each server, the best practice network configuration for most hypervisors.
- Increase storage connection performance: Connect to servers using full hardware offload of iSCSI and FCoE protocol processing minimizing the impact on host CPU performance.
- Ultra-fast 10 Gb server-to-server performance: Perform ultra-fast communication between virtual server hosts and moves and recoveries with hardware-based 10 Gb performance.

Upgrade your network with investment protection and no process changes

- 100% compatible with current networks: Seamless connection to existing industry standard data and storage networks avoids fork-lift upgrades.
- One standard for all connection needs: One VC FlexFabric module meets any data and storage connection need with license-free, multi-protocol support for Ethernet, Fibre Channel, Fibre Channel over Ethernet and Accelerated iSCSI connections.
- Built on proven HP BladeSystem technology: Requires no changes to HP BladeSystem c-Class Enclosure components.
- Maintain current IT processes: Direct uplink connections to LAN and SAN maintain your current IT practices, unlike other solutions that reroute SAN traffic to the LAN.

Specifications:

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Specifications	
Product Code	571956-B21
Performance	Line Rate, full-duplex 240Gbps bridging fabric
	Non-blocking architecture
	Maximum transmission unit (MTU) of up to 9216 bytes (jumbo frames)
Ports	16

Indicators	Recessed Momentary Reset Switch
	Momentary Next/Step Switch
	Backlit port number, configuration and status indicator LED, one perbulkhead port, blue/amber/green
	Module status indicator, amber/green
	Module locator (UID), blue
	Link indicator, one per SFP+-port, green/amber/orange
	Active multiplexed port indicator, green
Power specification	12V @ 9.17A (110 W)
Latency	1.2 ps on Ethernet only ports
	1.7u ps Enet/FC ports
Buffer credits	8 buffer credits per port, ASIC embedded memory
Product differentiator	Virtual Connect FlexFabric 10Gb/24-port Module for c-Class BladeSystem

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/571956-B21-HP-Virtual-Connect-FlexFabric-10Gb-24-port-Module-for-c-Class-BladeSystem-p-124170.php

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