



HPE FLEXFABRIC 5945 2-SLOT SWITCH (JQ075A)

Fixed Port L3 Managed Ethernet Switches



WHAT'S NEW

- High-density 100GbE/40GbE/25GbE/10GbE spine/top-of-rack (ToR) connectivity.
- HPE FlexFabric Network Analytics solution supporting real time microburst detection.
- VXLAN, VTEP, and OVSDB support for virtualized environments.
- Cut-through switching with ultra-low-latency and wire speed performance.
- IPv6 support with full Layer 2 and Layer 3 features.

OVERVIEW

The HPE FlexFabric 5945 Switch Series are high-density, ultra-low-latency, and top-of-rack (ToR) switches ideally suited for deployment at the aggregation or server access layer of large enterprise data centers. The HPE 5945 is also powerful enough for deployment at the core layer of medium-sized enterprises. With the increase in virtualized applications and server-to-server traffic, customers require spine and ToR switches that can meet their throughput requirements. With the HPE 5945, data centers can now support up to 100GbE per port, allowing high performance server connectivity and the capabilities to handle virtual environments. The HPE FlexFabric 5945 Switch Series provides choices that fit your budget and IT environment by cut-through with ultra-low-latency and wire speed, offering different port density and speeds of 100GbE/40GbE/25GbE/10GbE spine/ToR connectivity.

FEATURES

High-density, Advanced, Data Center Switches with HPE FlexFabric Network Analytics

The HPE FlexFabric 5945 Switch Series enables customers to scale their server-edge 1/10/25/40/100GbE top-of-rack (ToR) deployments with high-density 48 x 10GbE (SFP or BASE-T) with 6 x 40GbE ports, 48 x 10GbE (SFP or BASE-T) with 6 x 100GbE ports, 32 x 40GbE ports, and 32 x 100 GbE ports.

Available with a 2-slot modular version delivering two 40GbE or 100GbE ports, 48 x 10/25GbE, 4 x 100GbE, or up to 16 x 100GbE from modules.

A 4-slot modular version is also available with four 40GbE ports.

Includes HPE FlexFabric Network Analytics, which in conjunction with the HPE IMC Virtual Application Networking Fabric Manager, delivers real time visibility of microburst network congestion which negatively impacts overall network operations and performance.

High-performance Data Center Switching

The HPE FlexFabric 5945 Switch Series delivers up to 2.56 Tbps switching capacity for demanding data center applications.

Supports up to 1904 MPPS throughput for data-intensive environments.

Low latency, under 1s for 40GbE, delivering increased network throughput.

VXLAN support for network virtualization and overlay solutions for improved flexibility. Includes Open vSwitch Database (OVSDDB) for dynamic VXLAN tunnel management.

Business Agility and Resilience with Hewlett Packard Enterprise Comware 7

The HPE FlexFabric 5945 Switch Series delivers Hewlett Packard Enterprise Intelligent Resilient Fabric (IRF) with <50 msec convergence time enabling faster application response time.

The In-Service Software Update (ISSU) enables high availability with modular updates accomplished without a reboot or power cycle, in the background.

Simplicity and Lower TCO

HPE FlexFabric 5945 Switch Series simplifies switch management by up to 88% with 9-unit Hewlett Packard Enterprise Intelligent Resilient Fabric (IRF).

No hidden costs with simple one license per switch for all operating system features.

All switch ports are active and ready to use without the need for activation licenses.



Technical specifications**HPE FlexFabric 5945 2-slot Switch**

Product Number (SKU)	JQ075A
Differentiator	2 module slots and 2 x 1 Gb SFP ports, supporting up to a maximum of 48 x 10/25GbE and 4 x 100GbE ports, or up to 16 x 100GbE ports
Ports	2 module slots and 2 x 100 Gb QSFP28 ports, supporting up to a maximum of 48 x 10/25GbE and 4 x 100GbE ports, or up to 16 x 100GbE ports from modules
Memory and processor	1 GB flash packet buffer size: 32 MB 8 GB SDRAM
Latency	< 1 μ s (64-byte packets)
Throughput	up to 2024 Mpps
Routing/switching capacity	3.6 Tbps, maximum, depending on configuration
Stacking capabilities	up to 10 HPE 5945 switches
Management features	IMC, CLI, out-of-band management, SNMP Manager, Telnet, FTP
Input voltage	AC Rated voltage range: 100 VAC to 240 VAC @ 50/60 Hz Max voltage range: 90 VAC to 264 VAC @ 47 to 63 Hz DC Rated voltage range: -48 VDC to -60 VDC Max voltage range: -40 VDC to -72 VDC
Power Consumption	650W
Heat dissipation	1392 BTU/hr (1458 kJ/hr)
Minimum dimensions (H x W x D)	44.2 x 440 x 660 mm
Weight	10.4 kg



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

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- [HPE Foundation Care](#) helps when there is a problem and has a choice of response levels. Collaborative software support is included and provides troubleshooting help for ISVs running on your server. [Read more.](#)

Other related services

[Defective Media Retention](#) is optional and applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

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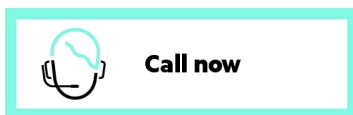
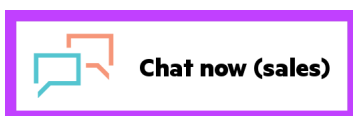
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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

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.

Image may differ from the actual product
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