



HPE FlexFabric 5950 48SFP28 8QSFP28 Switch (JH402A)

Switches



What's new

- HPE FlexFabric Network Analytics solution provides network visibility and all information to run the network at its optimal performance.
- VXLAN and OVSDDB supports network virtualization and overlay solutions.
- IRF support of up to ten switches simplifies management by up to 88%.
- OpenFlow and SDN automate manual tasks and speed service delivery.

Overview

The HPE FlexFabric 5950 Switch Series provides advanced features and high performance in a top-of-rack, data center switch architecture. Consisting of a 1U 32-port 100GbE QSFP28 switch, a fixed-port 48-port 25GbE SFP28 switch and a 4-slot chassis, the 5950 brings high density to a small footprint. While 10-unit IRF reduces management complexities by up to 88%, it also delivers <50 msec convergence time. You can rely on the FlexFabric 5950 Switch Series to improve switch utilization and lower TCO, while delivering business resilience and high availability.

Features

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

The HPE FlexFabric 5950 Switch Series is a top-of-rack data center switch offering three form factor configurations: a 1RU 32-port 100GbE QSFP28, a 1RU 48-port 25GbE SFP28 with 8-port 100GbE QSFP28, or a 2RU 4-slot chassis for increased flexibility.

Each switch delivers 100GbE ports which may be split into four 25GbE ports or they can support 40GbE which can be split into four by 10GbE for a total of 128 25/10GbE ports.

The HPE 5950 Switch Series 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 5950 Switch Series delivers up to 3.2 Tbps switching capacity for the most demanding applications.

It supports up to 3169 Mpps throughput for data-intensive environments.

Low latency, under a 1s 100GbE latency, gives your business agility.

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

Business Agility and Resilience with Comware 7

The HPE FlexFabric 5950 Switch Series delivers IRF with less than 50 msec convergence time enabling faster application response time.

IRF-based In Service Software Update (ISSU) enables high-availability updates occurring in the background without disrupting traffic.

Simplicity and Lower TCO

The HPE FlexFabric 5950 Switch Series simplifies switch management by up to 88% with 10-unit Intelligent Resilient Fabric (IRF).

No extra hidden cost with one license per switch for all OS features.

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

Automate tedious tasks with a Software-defined Network (SDN) and reclaim wasted resources.

Technical specifications

HPE FlexFabric 5950 48SFP28 8QSFP28 Switch

Product Number (SKU)	JH402A
Differentiator	48 SFP28 and 8 QSFP28 ports, dual hot-pluggable power supplies and six fan trays Ultra-low-latency, ideally suited for deployment at the spine and server access layer in large enterprise data centers.
Ports	(48) SFP28 25GbE ports Ports 1 - 48, PHY-less (8) QSFP28 100GbE ports, PHY-less (2) SFP 1GbE ports, PHY-less
Memory and processor	1 GB flash Packet buffer size: 16 MB 4 GB SDRAM
Latency	10 Gbps Latency: < 1 s
Throughput	up to 3169 Mpps
Routing/switching capacity	3200 Gbps
Stacking capabilities	IRF 10 switches
Management features	IMC - Intelligent Management Center Command-line interface Out-of-band management SNMP manager Telnet FTP
Input voltage	90 - 264 VAC, rated -40 to -75 VDC, rated (depending on power supply chosen)
Operating temperature range	0 to 45°C
Operating humidity range	10 to 95% (noncondensing)
Power consumption	495 W (maximum)
Heat dissipation	955 / 1689 BTU/hr (1007.53 / 1781.9 kJ/hr)
Minimum dimensions (H x W x D)	44 x 54 x 4.36 cm
Weight	17 kg

**For additional technical information,
available models and options, please
reference the QuickSpecs**

HPE Pointnext

HPE Pointnext leverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes—Advisory, Professional, and Operational Services is designed to help you evolve and grow today and into the future.

Operational Services

- **HPE Flexible Capacity** is a new consumption model to manage on-demand capacity, combining the agility and economics of public cloud with the security and performance of on-premises IT.
- **HPE Datacenter Care** offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalize deliverables and share best practices, as well as optional building blocks to address specific IT and business needs.
- **HPE Proactive Care** is an integrated set of hardware and software support including an enhanced call experience with start to finish case management helping resolve incidents quickly and keeping IT reliable and stable.
- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

Advisory Services includes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.

Professional Services helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

Call to action



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