Hewlett Packard Enterprise

HPE FlexFabric 5940 48XGT 6QSFP28 Switch (JH391A)

Switches

What's new

- HPE FlexFabric Network Analytics solution provides network visibility and all information to run the network at its optimal performance.
- VXLAN Layer 2 and Layer 3 gateway support.
- Pre-configured switch bundles for deployment in the campus aggregation and core.
- Comware 7 advanced modular operating system designed for high availability.

Overview

The HPE FlexFabric 5940 Switch Series is a family of high-performance and low-latency 10GbE and 40GbE top-of-rack (ToR) data center switches. The 5940 Switch includes 100G uplink technology which is part of the HPE FlexFabric data center solution and is a cornerstone of the FlexNetwork architecture.

The 5940 Switch is suited for deployment at the aggregation or server access layer of large enterprise data centers or at the core layer of medium-sized enterprises. It is optimized for high-performance server connectivity, convergence of Ethernet and storage traffic, and virtual environments.

- IRF supports of up to nine switches simplifies management by up to 88%.
- EVPN, OpenFlow and SDN automate manual tasks and speed service delivery.

Features

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

The HPE FlexFabric 5940 Switch Series enables customers to scale their server-edge 10/40/100GbE 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, and 32 x 40GbE ports, delivered in a 1RU design.

The HPE FlexFabric 5940 Switch Series is also available with a 2-slot modular version delivering 2 40GbE ports and a 4-slot modular version with 4 40GbE ports.

The HPE 5940 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 5940 Switch Series delivers up to 2.56 Tbps switching capacity for the most demanding data center applications.

It supports up to 1904 MPPS throughput for data-intensive environments.

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

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 5940 Switch Series delivers Hewlett Packard Enterprise Intelligent Resilient Fabric (IRF) <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 5940 Switch Series simplifies switch management by up to 88% with 9-unit Intelligent Resilient Fabric (IRF).

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

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

Technical specifications HPE FlexFabric 5940 48XGT 6QSFP28 Switch

Product Number (SKU)	JH391A
Differentiator	48 10GBASE-T copper and 6 QSFP28 ports, dual hot-pluggable power supply and fan tray slots, and ultra-low-latency. It is ideally suited for deployment at the server access layer in large enterpris
Ports	(48) 1/10GBASE-T ports (6) QSFP28 100GbE ports
Memory and processor	1 GB flash Packet buffer size: 16 MB 4 GB SDRAM
Latency	10 Gbps Latency: < 1 s
Throughput	up to 1607 Mpps
Routing/switching capacity	2160 Gbps
Stacking capabilities	IRF 9 switches
Management features	IMC - Intelligent Management Center Command-line interface Out-of-band management SNMP manager Telnet FTP
Input voltage	100 - 240 VAC, rated -40 to -60 VDC, rated (depending on power supply chosen)
Operating temperature range	0 to 45°C
Operating humidity range	10 to 90% (noncondensing)
Power consumption	320 W (maximum)
Heat dissipation	887 BTU/hr (935.79 kJ/hr)
Minimum dimensions (H x W x D)	44 x 66 x 4.36 cm
Weight	13 kg

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

HPE Pointnext

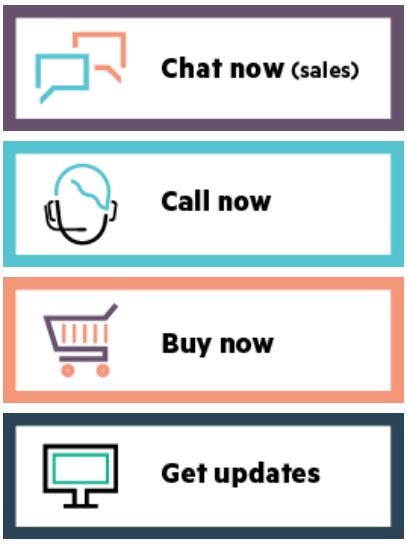
HPE Pointnext leverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes—Advisory, Professional, and Operational Services is designed to help you evolve and grow today and into the future.

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.



Hewlett Packard Enterprise

Image may differ from actual product
PSN1009148990INEN, March 15, 2019.