HPE Networking Comware Switch 48XGT 6QSFP28 5940 (JH391A)



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.
- IRF supports of up to nine switches

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.

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 Networking Comware Switch 48XGT 6QSFP28 5940

Product Number	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 µs
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 humidity range	10 to 90% (noncondensing)
Power consumption	320 W (maximum)
Heat dissipation	887 BTU/hr (935.79 kJ/hr)
Product dimensions	44 x 66 x 4.36 cm
Weight	13 kg

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

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Consulting services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- HPE Complete Care Service: a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

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Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

The Defective Media Retention (DMR) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. Comprehensive Defective Material Retention (CDMR) allows you to keep all data retentive components.

HPE GreenLake

HPE GreenLake edge-to-cloud platform is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please explore them here.

Explore **HPE GreenLake**

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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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