Hewlett Packard Enterprise

HPE FlexFabric 5980 48SFP+ 6QSFP28 Switch (JQ026A)

Switches

What's new

- High-density 10GbE with 100G uplink for spine and leaf deployments, also supporting 40GbE connections on the 100GbE ports.
- L2/L3 VXLAN and EVPN support for virtualized environments.
- OpenFlow support for investment protection and software-defined network (SDN) environments.
- Unify management with HPE IMC.
- Data center convergence and resiliency

Overview

The HPE FlexFabric 5980 Switch Series is a high-performance and low-latency 10 GbE top-of-rack, data center switch designed to meet the increasing requirements for higher-performance server connectivity, convergence of Ethernet and storage traffic, the capability to handle virtual environments, and low latency. The switch includes 100Gbps uplink technology and is ideally suited for deployment at the aggregation or server access layer of large enterprise data centers or at the core layer of medium-sized enterprises.

with IRF.

Features

High-Density, Advanced, Data Center Switches

The top-of-rack data center HPE FlexFabric 5980 Switch Series offers high performance and scalability of the server-edge 10/100GbE deployments with high-density 48 fixed x 10GbE SFP+ ports with 6 ports of 100GbE delivered in a 1 RU design.

Lossless Architecture with deep packet buffers ensures network continuity.

High-Performance Low-Latency Data Center Switching

The HPE FlexFabric 5980 Switch Series is constructed in a cut-through and non-blocking architecture to deliver low 10 Gbps latency of 10 s for very demanding enterprise applications.

Each switch delivers a high-performance switching capacity up 720 Mpps.

It supports up to 800 Gbps throughput for data-intensive environments.

Each switch supports up 250K/128K routing table entries (IPv4/IPv6).

Business Agility and Resilience

The HPE FlexFabric 5980 Switch Series delivers IRF technology which enables deployment of a resilient, scalable, and secure data center.

Redundant fans and power supplies ensure continuity for critical data center deployments.

Simplicity and Lower TCO

HPE FlexFabric 5980 Switch Series switch management is simplified with the use of HPE IMC with central configuration, updating, monitoring, and troubleshooting.

No hidden costs as Hewlett Packard Enterprise Comware 7 includes all software features.

Technical specifications — HPE FlexFabric 5980 48SFP+ 6QSFP28 Switch

Product Number (SKU)	JQ026A
Ports	48 fixed 1000/10000 SFP+ and 6 QSFP28 100GbE ports
Latency	< 10 s (64-byte packets)
Throughput	Up to 800 Gbps
Routing/switching capacity	Up to 720 Mpps
Input voltage	100–240 VAC, rated, or -40 to -60 VDC, rated (depending on power supply chosen)
Power consumption	340W
Heat dissipation	986 BTU/hr (1040.29 kJ/hr)

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.

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