

# HPE Networking Comware Switch Series 5980



## 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 with IRF.

## 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.

## 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  $\mu$ s for very demanding enterprise applications.

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

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

Each switch supports up to 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 Networking Comware Switch Series 5980
Ports	48 fixed 1000/10000 SFP+ and 6 QSFP28 100GbE ports
Latency	< 10 $\mu$ 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 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.

### Advisory & Professional 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.

### Support 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.
- **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

### Lifecycle Services

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

### HPE Education Services

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

**Defective Media Retention** is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

### **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](#).

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

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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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