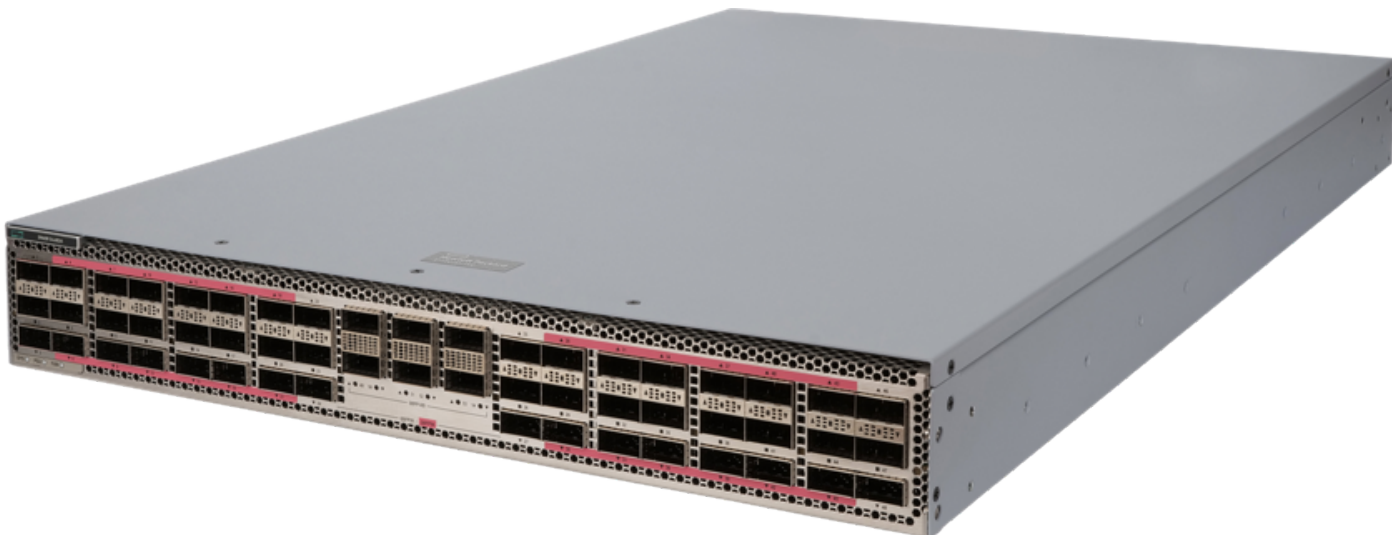


HPE Networking Comware Switch Series 5960

HPE Networking Comware Data Center Switch 48p QSFP28 100G 6p QSFP-DD 400G 5960R (S4J82A)



What's new

- High-performance, high-density, and backward-compatible switch with varied 400/200/100G connectivity options.
- OS Comware v9 offers enhanced software features such as Segment Routing MPLS, SR-V6, PTP/SyncE, egress ACL, egress rate limiting, and others for highly distributed environments.
- Dual, redundant, hot-swappable power supplies maintain a dynamic and highly available network.
- Supports HPE IMC for a consistent network

Overview

The HPE Networking Comware Switch Series 5960 is a high-performance, high-density top-of-rack (ToR) switch designed for enterprise data centers, cloud service providers, and telco environments. With multiple connectivity options including 400G and 100G QSFP28 ports, these switches offer exceptional performance and improved power savings. VXLAN/EVPN and DRNI improve scalability and resiliency, while modern software features enable a dynamic and highly available network. HPE Intelligent Management Center (IMC) support provides centralized configuration, compliance, policy management, monitoring, and troubleshooting. HPE IMC Orchestrator and Analyzer are also supported for data center fabric orchestration and application telemetry.

manageability experience while integrating with HPE IMC Orchestrator and Analyzer for data center fabric orchestration, monitoring, and application telemetry.

Features

Consistent and Advanced Data Center Switches with Flexible Connectivity Options

The HPE Networking Comware Switch Series 5960 offers 25/40/100/200/400G connectivity with three SKUs

- a) High-density 32x400G QSFP-DD switch
- b) Highly flexible 24x100/200G + 4x400G QSFP-DD switch backward compatible with widely used 100G QSFP28 ports
- c) High-density 48x100G 6QSFP-DD switch

The switch series supports new-generation OS Comware v9 offering enhanced features such as SR-MPLS, SR-V6, and others for highly distributed environments built on a modular and open architecture; supports containerized deployment; can run third-party software applications.

It has VXLAN/EVPN for network virtualization and overlay solutions for improved flexibility.

The switch series supports DRNI that combines multiple physical switches into one virtual distributed-relay (DR) system for doubling aggregate bandwidth, fast forwarding, resiliency, and high availability.

The 5960R model supports PTP, SR, VXLAN, EVPN, DRNI, HPE IMC Orchestrator

High-Performance Data Center Switching

The HPE Networking Comware Switch Series 5960 supports redundant, hot-swappable power modules and varied fan speeds to meet the actual demands, thereby enabling a dynamic and highly available network.

Delivers up to 12.8 Tbps switching capacity for demanding data center applications.

Low latency, under 1 s delivering increased network throughput.

Uses programmable chips that improve flexibility and aid in network expansion by defining forwarding logic and developing new features as per user needs through simple software upgrades.

Rich Quality of Service (QoS) features

The HPE Networking Comware Switch Series 5960 support Layer 2 to Layer 4 packet filtering for traffic classification based on source MAC address, destination MAC address, source IP address, destination IP address, TCP/UDP port number, protocol type, and VLAN.

The switch series Supports committed access rate (CAR) and line rate for anomaly detection and troubleshooting.

It provides extensive traffic prioritization with strict priority (SP) queuing, weighted round robin (WRR), SP+WRR, WFQ, and SP+WFQ.

Improved Visibility and Simplified Management

The HPE Networking Comware Switch Series 5960 supports operations, administration, and maintenance (OAM) for improved manageability.

The switch series increase network visibility by sending real-time information, statistics, and RDMA notifications to the data center operation and maintenance platform through ERSPAN and gRPC protocols.

It support real-time analysis, troubleshooting, and risk warning to improve network performance and provide business continuity.

The switch series uses multiple access methods including SNMPv1/v2c/v3, Telnet, SSH 2.0, SSL, and FTP to monitor essential network functions; and supports events, alarm, history, and statistics group plus a private alarm extension group.

It supports centralized configuration, compliance and policy management, monitoring, and troubleshooting with HPE IMC to provide a consistent network manageability experience; for data center fabric orchestration and application telemetry, this switch supports HPE IMC Orchestrator and Analyzer.



Technical specifications

HPE Networking Comware Data Center Switch 48p
QSFP28 100G 6p QSFP-DD 400G 5960R

Product Number	S4J82A
Differentiator	HPE Networking Comware 5960 switch with 48 ports of 100G and 6 ports of 400G, providing 14.4 Tbps of switching capacity with redundant power modules, and fan trays.
Ports	1 I/O module slot Supports a max of 48 100G QSFP28 (* 24 100G QSFP56) 6 QSFP-DD ports
Memory and processor	32G DDR4 Memory, 4GB NAND FLASH(eMMC)
Latency	5 ~ 6us(64-byte packets)
Routing/switching capacity	14.4 Tbps
Switching capacity	12.8 Tbps
Management features	IMC CLI out-of-band management SNMP Manager Telnet FTP. Notes: The customer must install a minimum of one power supply, as the device does not come with one. The customer must install 6 fan kits, as the device does not come with one.
Input voltage	DC- Input Voltage 180V to 320V AC-Input Voltage 100V to 240V
Operating temperature	0°C to 40°C (32°F to 104°F)
Power consumption	619W
Heat dissipation	2112 BTU/h



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

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