

# HPE Networking Comware Switch Series 5720

**HPE Networking Comware Data Center Switch 48p SFP+ 1G/10G 6p QSFP28 100G 5720 (S2N58A)**



## What's new

- Cost-effective access switch with hybrid SFP+ and 10GBASE-T with multigigabit options on 10GBASE-T port—5G, 2.5G, 1G.
- DRNI combines multiple physical switches into one virtual distributed-relay (DR) system for doubling aggregate bandwidth, faster forwarding, resiliency, and high availability.
- Virtual Extensible LAN (VXLAN) with lite Ethernet VPN (EVPN) allows greater flexibility, better performance with wirespeed, enhanced security, and better scalability.
- Hardware-based MACsec enable end-to-end encrypted security.
- The Intelligent Resilient Fabric (IRF) technology enabling greater

## Overview

HPE Networking Comware Switch Series 5720 is designed to cater to diverse customer needs. This cost-effective access switch offers hybrid SFP+ and 10GBASE-T options, along with multigigabit support on 10GBASE-T ports, allowing scalability from 10GbE SFP+ to 100G QSFP28. These data center leaf / access layer switches come with MACsec support and 10GBASE-T additional modules. Features such as distributed resilient network interconnect (DRNI) and HPE Intelligent Resilient Fabric (IRF) enhance network resiliency while redundant pluggable power supplies provide a dynamic and highly available network. Moreover, these switches support HPE Intelligent Management Center (IMC), which delivers a consistent network manageability experience. Streamline network management processes for greater efficiency through centralized configuration, compliance, policy management, monitoring, and troubleshooting.

resilience and scalability with IRF stacking.

- VXLAN and EVPN enable isolation and greater scalability of L2/L3 overlay services and multicast.

## Features

### Multigigabit High-density Switches

The HPE Networking Comware Switch Series 5720 provides medium and large enterprise networks with 24/40 port 1G/2.5G/5G/10GBASE-T and 32/48 port 10G SFP+ connectivity options, thereby resulting in high density and flexibility.

The switch series delivers up to 1001.7 Mpps of packet forwarding rate and up to 2240 Gbps of switching capacity.

It supports jumbo frames with a frame size of up to 9216 bytes, improving the performance of large data transfers.

It supports equal-cost multi-path that enables multiple equal-cost links in a routing environment to increase link redundancy and scale bandwidth.

### Highly Available and Scalable Access Layer Switches

The HPE Networking Comware Switch Series 5720 uses Intelligent Resilient Framework (IRF) that supports virtualization of up to nine physical switches into one logical device for simpler, flatter, and more agile networks.

DRNI, an IEEE standard-based solution, enables link aggregation from multiple switches to implement device-level link backup for node redundancy. DRNI also simplifies network topology by virtualizing two physical devices into a logical device.

Dual, redundant, hot-swappable power supplies maintain a dynamic and highly available network.

VXLAN and EVPN allow greater flexibility to integrate into existing networks, better scalability without redesigning the underlay network, enhanced security to restrict attacks, and improved performance, especially in spine-leaf architectures.

### Robust Quality of Service (QoS)

The HPE Networking Comware Switch Series 5720 supports operations, administration, and maintenance (OAM) and In-Service Software Upgrade (ISSU) for business continuity and improving manageability.

It supports advanced classifier-based QoS, which groups traffic using multiple match criteria based on Layer 2 and 3 information; it applies QoS policies such as setting priority level and rate limit to selected traffic on a port, VLAN, or the entire switch.

This switch series provides extensive traffic prioritization with strict priority (SP) queuing, weighted round robin (WRR), and SP+WRR.

Broadcast control and limitation of broadcast traffic rate can reduce unwanted network traffic.

## Comprehensive Security and Simplified Management

HPE Networking Comware Switch Series 5720 supports AAA authentication (including RADIUS authentication) and dynamic or static binding of user identifiers such as user account, IP address, MAC address, VLAN, and port number.

The switch series supports methods including 802.1X and MAC authentication and encryption for greater device security and policy-driven application authentication. Per-user access control lists (ACLs) provide identity-driven security and access control.

Dynamic Address Resolution Protocol (ARP) protection with functions such as ARP detection and ARP packet validation that block broadcasts from unauthorized hosts and prevent eavesdropping or theft of network data.

This switch series provides a single pane management via through HPE Intelligent Management Center (IMC), maintaining comprehensive configuration, compliance, and policy management to enable end-to-end network visibility, control, and a consistent network experience.

It supports HPE IMC Orchestrator and Analyzer that offers orchestration, underlay and overlay automated service provisioning, centralized control and AI-enabled network health monitoring with telemetry, and visual dashboards for fault detection and resolution.

Technical specifications	HPE Networking Comware Data Center Switch 48p SFP+ 1G/10G 6p QSFP28 100G 5720
<b>Product Number</b>	S2N58A
<b>Differentiator</b>	Cost-effective access switch with 48 port SFP+.
<b>Power consumption</b>	Dual AC 89 W
<b>Heat dissipation</b>	887 BTU/h
<b>Input voltage</b>	VAC : 100 V to 240 V VDC : -48 V to -60 V
<b>Ports</b>	48 SFP+,6 QSFP28,1 Slot
<b>Latency</b>	< 3 μs
<b>Routing capabilities</b>	RIP, OSPF, BGP, IPV6, MPLS
<b>Switching capacity</b>	2560 Gbps
<b>Stacking capabilities</b>	IRF stacking 4 switches, maximum stacking 9
<b>Throughput</b>	1001 Mpps
<b>Memory and processor</b>	4 GB flash, 4 GB SDRAM, packet buffer size: 32 M Quad Core ARMv8-Cortex-A72;
<b>Power supply</b>	AC: 2x JL592A/JL593A DC: 2x JL688A
<b>Management features</b>	IMC, IMC Orchestrator, CLI, out-of-band management, SNMP Manager, Telnet, FTP
<b>Warranty</b>	1-year warranty. See the warranty duration.

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