Shape the Future of QuickSpecs - Your Input Matters

HPE Networking Comware 5120 v3 Campus Switch Series QuickSpecs

HPE Networking Comware 5120v3 Campus Switch Series offers cost-effective high-performance Gigabit Ethernet connectivity tailored for small organizations with limited IT personnel.

PoE+ ports seamlessly support voice, video, and wireless applications. Fanless design helps ensures silent operation while the compact size allows flexible placement options. Embedded power supplies help minimize heat dissipation, promoting a cool and reliable networking environment.

Overview

These switches offer advanced functionalities such as IRF stacking that enables higher redundancy and reliability, while access control lists (ACLs) empower network administrators to enforce security policies, manage traffic, and safeguard network resources.

This switch series also includes SmartMC at no additional cost, and when combined with HPE Intelligent Management Center (IMC), it provides both embedded network management and enhanced network visibility.



HPE Networking Comware 5120 v3 Campus Switch Series

Key features

- Low cost, Gigabit Ethernet access switch for small- to medium-sized organizations with Layer 2 routing, RIP, and PoE+ models for voice, video, and wireless.
- Fanless switch with embedded power supplies offers the advantages of low power consumption, noise-free operation, and reduced heat dissipation.
- MAC address support of up to 16K enables greater scalability as more devices can be added into the network and access policies can be defined as per their MAC addresses leading to greater network security.
- Supports HPE Intelligent Resilient Framework (IRF) technology that enables plug-and-play device aggregation and link aggregation of up to 9 devices, enhancing network redundancy and resource utilization.
- Supports SNMP-based centralized network management with HPE Intelligent Management Center for consistent network manageability and CLI, Telnet, and web-based network management for easier device management.
- Includes embedded network management capabilities at no additional cost with Smart Management Center (SmartMC)
- Includes energy-saving green design features such as automatically switching off idle copper ports to energy-saving mode and powering down unused ports.

Standard Features

Features and Benefits

High-Performance Cost-Effective Switches

- The HPE Networking Comware 5120v3 Campus Switch Series offers a combination of copper and fiber models with 10/100/1000 PoE+ connectivity and SFP ports at a cost-effective price.
- Improved scalability with MAC address size of up to 16K enables a greater number of devices to be added to the network.
- Supports Intelligent Resilient Framework (IRF) to support virtualization of up to nine physical switches into one logical device for simpler, flatter, and more agile networks.
- 8 BASE-T ports with two fixed SFP ports offer flexibility and higher performance.

Comprehensive Security Control

- The HPE Networking Comware 5120v3 Campus Switch Series supports flexible authentication methods including 802.1X and MAC Authentication for greater security and policy-driven application authentication. Per-user ACLs provide identity-driven security and access control.
- Dynamic ARP protection with functions such as ARP detection and ARP packet validation that block broadcasts from unauthorized hosts, preventing eavesdropping or theft of network data.
- Centralized security policy management and network protection with HPE IMC End User Admission Domination (EAD), which integrates security policies, network access control, and access right control policies to form a cooperative security system.

Simplified Management

- The HPE Networking Comware 5120v3 Campus Switch Series can be seamlessly managed with HPE IMC to provide end-to-end network transparency with a consistent network experience through comprehensive configuration, compliance, and policy management.
- Supports SmartMC, an embedded network management tool, with a web-based GUI to simplify operations and facilitate centralized management at no additional cost. It offers features such as configuration backup, software version management, and seamless switch replacement
- RMON and sFlow® provide advanced monitoring and reporting capabilities for statistics, history, alarms, and events.

Enhanced Quality of Service

- The HPE Networking Comware 5120v3 Campus Switch Series supports ACLs for both inbound and outbound traffic enabling granular control over network security, access policies, traffic filtering, and other aspects of bidirectional network management.
- Provides extensive traffic prioritization with strict priority (SP) queuing, weighted round robin (WRR) and SP+WRR.
- Reduce unwanted network traffic with broadcast control and limitation of broadcast traffic rate to cut down on unwanted network broadcast traffic.

Warranty and Support

- Limited lifetime warranty

See hpe.com/networking/support for warranty and support information included with your product purchase

Configuration Information

BTO Models

Rule #	Description	SKU
1, 2, 3	HPE Networking Comware Campus Switch 8G PoE+ 2 SFP 5120v3	S0F79A
	HPE Networking Comware Campus Switch 8G PoE+ 2 SFP 5120v3	S0F79A
	HPE Networking Comware Campus Switch 8G PoE+ 2 SFP 5120v3	S0F79A
	HPE Networking Comware Campus Switch 8G PoE+ 2 SFP 5120v3	S0F79A
	HPE Networking Comware Campus Switch 8G PoE+ 2 SFP 5120v3	S0F79A

Configuration Rules

Rule #	Description	
1	The following Transceivers install into this Module: JD118B - HPE X120 1G SFP LC SX Transceiver	
	HPE Networking X120 1G SFP RJ45 T Transceiver	JD089B
	HPE Networking X120 1G SFP LC SX Transceiver	JD118B
	HPE Networking X120 1G SFP LC LX Transceiver	JD119B
	HPE Networking X120 1G SFP LC BX 10-U Transceiver	JD098B
	HPE Networking X120 1G SFP LC BX 10-D Transceiver	JD099B
	HPE Networking X120 1G SFP LC LH100 Transceiver	JD103A
2	Localization required on orders without B2B, B2C, B2E or AC3 options.	
3	Unbuildable/FAN required, generates CFGU: If order is quoted for India and contains "#B2C" Option, then Display the following:	
	– For BTO shipments to India: Please replace <Base Model>#B2C option with <Base Model>#AC3 in the Bill of Materials and add the appropriate INDIA PDU Power Cord below via Ad-Hoc:	
	HPE Networking 2.0m C13 to C14 PDU India Power Cord	JL671A
	HPE Networking 2.5m C15 to C14 PDU India Power Cord	JL672A
	HPE Networking 2.5m C19 to C20 PDU India Power Cord	JL673A
	– For Factory Integration of Power Cord, please add "#0D1" to the Power Cord Sku suffix. (Ex. JL671A#0D1)	

Notes:

– Drop down under power supply should offer the following options and results:
- Switch/Router/Power Supply to PDU Power Cord - B2B in North America, Mexico, Taiwan, and Japan or B2C ROW. (OCA Default B2B or B2C for Rack Level CTO)
- Switch/Router/Power Supply to Wall Power Cord - Localized Option (OCA Default for BTO and Box Level CTO)
- High Volt Switch/Router/Power Supply to Wall Power Cord - B2E Option. (Offered only in North America, Mexico, Taiwan, and Japan)
- No Power Cord - AC3 Option

– OCA Only Model Selection Form - HPE Offering > HPE Aruba Networking > Switches–FlexFabric - HPE 5120v3 Switch Series

Configuration Information

Transceivers

SFP Transceivers

Rule #	Description	SKU
	HPE Networking X120 1G SFP RJ45 T Transceiver	JD089B
	HPE Networking X120 1G SFP LC SX Transceiver	JD118B
	HPE Networking X120 1G SFP LC LX Transceiver	JD119B
	HPE Networking X120 1G SFP LC BX 10-U Transceiver	JD098B
	HPE Networking X120 1G SFP LC BX 10-D Transceiver	JD099B
	HPE Networking X120 1G SFP LC LH100 Transceiver	JD103A

Switch Enclosure Options

Rack Mount Kit

Rule #	Description	SKU
	HPE Networking Comware 5120v3 Campus Rack Mount Kit	S0F80A

Technical Specifications

HPE Networking Comware 5120v3 8G PoE+ 2 SFP Campus Switch (SOF79A)		
I/O ports and slots	8x10/100/1000BASE-T, 2x1000BASE-X SFP	
Additional ports and slots	1 management interface	
Power supplies	Embedded	
Physical characteristics	**Dimensions**	330(w) x 43.6(d) x 230 (h) mm
	Weight	≤ 3 kg
Memory and processor	512 MB SDRAM; Packet buffer size: 1.5 MB, 256 MB flash	
Mounting and enclosure	Mounts in an EIA standard 19 inch telco rack or equipment cabinet	
Performance	**1000 Mb latency**	< 5 µs
	Throughput	15 Mpps
	Routing/switching capacity	20 Gbps
	Static MAC table	1K
	MAC address table size	Up to 16K
Environment	**Operating temperature**	23°F to 113°F (–5°C to 45°C)
	Operating relative humidity	5% to 95%, noncondensing
	Nonoperating / storage temperature	–40°F to 158°F (–40°C to 70°C)
	Nonoperating / storage relative humidity	5% to 95%, noncondensing
	Acoustic	Fanless, so N/A
Electrical characteristics	**Frequency**	50/60 Hz
	AC voltage	Min. AC 14W, Max. AC 125W (30W per PoE+ port)
Safety	UL 60950-1; EN 60825-1 Safety of Laser Products-Part 1; EN 60825-2 Safety of Laser Products-Part 2; IEC 60950-1; IEC 62368-1; CAN/CSA-C22.2 No. 60950-1; EN 62368-1/A11; FDA 21 CFR Subchapter J; RoHS Compliance	
Emissions	EMC Directive 2004/108/EC; FCC (CFR 47, Part 15) Class A; EN 61000-4-11:2004; ANSI C63.4-2009; EN 61000-3-3:2008; VCCI V-3/2012.04; EN 61000-3-2:2006+A1:2009+A2:2009; EN 61000-4-3:2006; EN 61000-4-4:2012; EN 61000-4-5:2006; EN 61000-4-6:2009; CISPR 22:2008 Class A; EN 55022:2010 Class A; EN 61000-4-29:2000; CISPR 24:2010; EN 300 386 V1.6.1; VCCI V-3/2013.04 Class A	
Immunity	**Generic**	EN 55024
	ESD	EN 300 386
Management	IMC; SmartMC, command-line interface; SNMP manager	
Services	See the Hewlett Packard Enterprise website at hpe.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, contact your local HPE sales office.	

Technical Specifications

Standards and Protocols (applies to all products in the series)	
Device Management	– RFC 1155 Structure and Mgmt. Information (SMIv1) – RFC 1157 SNMPv1/v2c – RFC 1305 NTPv3 – RFC 2573 (SNMPv3 Applications) – RFC 2578-2580 SMIv2 – RFC 2819 (RMON groups Alarm, Event, History, and Statistics only) – RFC 3416 (SNMP Protocol Operations v2) RFC 3417 (SNMP Transport Mappings) HTML and telnet management – Multiple configuration files SNMPv3 and RMON RFC support – SSHv1/SSHv2, TACACS/TACACS+
General Protocols	– IEEE 802.1ad Q-in-Q – IEEE 802.1ak Multiple Registration Protocol (MRP) and Multiple VLAN Registration Protocol (MVRP) – IEEE 802.1AX-2008 Link Aggregation – IEEE 802.1D MAC Bridges – IEEE 802.1p Priority – IEEE 802.1Q VLANs – IEEE 802.1s Multiple Spanning Trees – IEEE 802.1w Rapid Reconfiguration of Spanning Tree – IEEE 802.1X PAE – IEEE 802.3 Type 10BASE-T – IEEE 802.3ab 1000BASE-T – IEEE 802.3ac (VLAN Tagging Extension) – IEEE 802.3ad Link Aggregation Control Protocol (LACP) – IEEE 802.3af Power over Ethernet – IEEE 802.3at Power over Ethernet Plus – IEEE 802.3ah Operations Administration and Maintenance (OAM) – IEEE 802.3az Energy Efficient Ethernet – IEEE 802.3i 10BASE-T – IEEE 802.3u 100BASE-X – IEEE 802.3x Flow Control – IEEE 802.3z 1000BASE-X – RFC 768 UDP – RFC 783 TFTP Protocol (revision 2) – RFC 791 IP – RFC 792 ICMP – RFC 793 TCP – RFC 826 ARP – RFC 854 Telnet – RFC 855 Telnet Option Specification – RFC 894 IP over Ethernet – RFC 950 Internet Standard Subnetting Procedure – RFC 951 BOOTP – RFC 1027 Proxy ARP

Technical Specifications

	– RFC 1042 IP Datagrams – RFC 1071 Computing the Internet Checksum – RFC 1123 Requirements for Internet Hosts – RFC 1166 — IP addresses – RFC 1213 Management Information Base for Network Management of TCP/IP-based internets – RFC 1256 ICMP Router Discovery Protocol (IRDP) – RFC 1305 NTPv3 – RFC 1350 TFTP Protocol (revision 2) – RFC 1519 CIDR – RFC 1533 DHCP Options and BOOTP Vendor Extensions – RFC 1591 DNS (client only) – RFC 1643 Definitions of Managed Objects for the Ethernet-like Interface Types – RFC 1812 IPv4 Routing – RFC 1866 Hypertext Markup Language 2.0 – RFC 1901 Introduction to Community-based SNMPv2 – RFC 1902-190 — SNMPv2 – RFC 2131 DHCP – RFC 2236 IGMP snooping – RFC 2462 IPv6 Stateless Address Autoconfiguration – RFC 2474 Definition of the DS Field in the IPv4 and IPv6 Headers – RFC 2475 Architecture for DS – RFC 2597 Assured Forwarding PHB Group – RFC 2616 HTTP Compatibility v1.1 – RFC 2665 Definitions of Managed Objects for the Ethernet-like Interface Types – RFC 2668 Definitions of Managed Objects for IEEE 802.3 Medium Attachment Units (MAUs) – RFC 2865 Remote Authentication Dial-In User Service (RADIUS) – RFC 2866 RADIUS Accounting – RFC 3046 DHCP Relay Agent Information Option – RFC 3246 Expedited Forwarding PHB – RFC 3414 User-based Security Model (USM) for version 3 of SNMPv3 – RFC 3415 View-based Access Control Model (VACM) for SNMP – RFC 3416 Protocol Operations for SNMP – RFC 3418 Management Information Base (MIB) for SNMP – RFC 3576 Ext to RADIUS (CoA only) – RFC 3580 — IEEE 802.1X RADIUS Usage Guidelines – RFC 3587 IPv6 Global Unicast Address Format – RFC 3810 Multicast Listener Discovery Version 2 (MLDv2) for IPv6 – RFC 4030 Authentication Suboption for DHCP Relay Agent – RFC 4213 Basic IPv6 Transition Mechanisms – RFC 4291 IP Version 6 Addressing Architecture – RFC 4541 Considerations for Internet Group Management Protocol (IGMP) and Multicast Listener Discovery (MLD) Snooping Switches – RFC 4575 A Session Initiation Protocol (SIP) Event Package for Conference State

Technical Specifications

	– RFC 4675 RADIUS VLAN and Priority – RFC 5095 Deprecation of Type 0 Routing Headers in IPv6 – IEEE 802.1r GARP Proprietary Attribute Registration Protocol (GPRP)
IP multicast	– RFC 1112 IGMPv1 – RFC 2236 IGMPv2 – RFC 2710 Multicast Listener Discovery (MLD) for IPv6 – RFC 2858 Multiprotocol Extensions for BGP-4 RFC 3376 IGMPv3 – RFC 3569 An Overview of – Source-Specific Multicast (SSM) – RFC 3618 Multicast Source Discovery Protocol (MSDP) – RFC 3973 PIM Dense Mode – RFC 4601 PIM Sparse Mode
IPv6	– RFC 1981 IPv6 Path MTU Discovery – RFC 2460 IPv6 Specification – RFC 2461 IPv6 Neighbor Discovery – RFC 2463 ICMPv6 – RFC 2464 Transmission of IPv6 over Ethernet Networks – RFC 3162 RADIUS and IPv6 – RFC 3306 Unicast-Prefix-based IPv6 Multicast Addresses – RFC 3307 IPv6 Multicast Address Allocation RFC 3315 DHCPv6 (client and relay) – RFC 3484 Default Address Selection for IPv6 RFC 3736 Stateless Dynamic Host Configuration Protocol (DHCP) Service for IPv6 – RFC 4291 IP Version 6 Addressing Architecture – RFC 4293 MIB for IP RFC 4443 ICMPv6 – RFC 4861 IPv6 Neighbor Discovery – RFC 4862 IPv6 Stateless Address Auto-configuration – RFC 6724 Default Address Selection for IPv6
MIBs	– RFC 1212 Concise MIB Definitions RFC 1213 MIB II – RFC 1215 A Convention for Defining Traps for use with the SNMP – RFC 1493 Bridge MIB – RFC 1757 Remote Network Monitoring MIB – RFC 2096 IP Forwarding Table MIB – RFC 2233 Interface MIB – RFC 2571 SNMP Framework MIB RFC 2572 SNMP-MPD MIB – RFC 2573 SNMP-Notification MIB – RFC 2573 SNMP-Target MIB RFC 2574 SNMP USM MIB – RFC 2618 RADIUS Authentication Client MIB RFC 2620 RADIUS Accounting Client MIB – RFC 2665 Ethernet-Like-MIB – RFC 2668 802.3 MAU MIB – RFC 2674 Definitions of Managed Objects for Bridges with Traffic Classes, Multicast Filtering, and Virtual Extensions – RFC 2737 Entity MIB (Version 2) – RFC 2819 RMON MIB – RFC 2863 The Interfaces Group MIB – RFC 2925 Ping MIB

Technical Specifications

	– RFC 3414 SNMP-User based-SM MIB – RFC 3415 SNMP-View based-ACM MIB – RFC 3418 MIB for SNMPv3 – RFC 3621 Power Ethernet MIB
Network management	– IEEE 802.1AB Link Layer Discovery Protocol (LLDP) – RFC 1215 Convention for Defining Traps for use with the SNMP – RFC 2579 Textual Conventions for SMIv2 RFC 2580 Conformance Statements for SMIv2 – RFC 2818 HTTP over TLS – RFC 2819 Four groups of RMON: 1 (statistics), 2 (history), 3 (alarm), and 9 (events) – ANSI/TIA-1057 LLDP Media Endpoint Discovery (LLDP-MED) SNMPv1/v2c/v3
OSPF	– RFC 1587 OSPF NSSA – RFC 1850 OSPFv2 Management Information Base (MIB), traps – RFC 2328 OSPFv2 – RFC 2370 OSPF Opaque LSA Option
QoS/CoS	– RFC 2474 DS Field in the IPv4 and IPv6 Headers – RFC 3260 New Terminology and Clarifications for DiffServ
Security	– IEEE 802.1X Port-Based Network Access Control – RFC 1492 TACACS+ – RFC 2138 RADIUS Authentication – RFC 2139 RADIUS Accounting – RFC 2865 RADIUS Authentication RFC 2866 RADIUS Accounting – RFC 3260 New Terminology and Clarifications for DiffServ – RFC 4716 SSH Public Key File Format – Secure Sockets Layer (SSL) SSHv2

Summary of Changes

Date	Version History	Action	Description of Change
27-Feb-2026	Version 3	Changed	Rebranding applied to QuickSpecs.
16-Dec-2024	Version 2	Changed	Configuration Information section was updated
07-Aug-2023	Version 1	New	New QuickSpecs

Copyright

Shape the Future of QuickSpecs - Your Input Matters

Chat now

© Copyright 2026 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

To learn more, visit: http://www.hpe.com/networking

a50007006enw - 17116 - Worldwide - V3 - 27-February-2026

HEWLETT PACKARD ENTERPRISE
HPE.com

