Data sheet

HPE Networking Comware 5120 v3 Campus Switch Series



What's new

- 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, more devices can be added into the network and access policies can be defined per their MAC addresses leading to greater network security.
- 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.
- SNMP-based centralized network management with HPE Intelligent

Overview

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.
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.

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 Centre (SmartMC).

Features

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.

Technical specifications	HPE Networking Comware 5120 v3 Campus Switch Series
Power consumption	125W max PSU (30W PoE+ per port)
Ports	8x10/100/1000BASE-T, 2x1000BASE-X SFP
Latency	< 5 µs
Routing/switching capacity	20 Gbps
Stacking capabilities	9
Throughput	15 Mpps
Memory and processor	512 MB SDRAM Packet buffer size: 1.5 MB, 256 MB flash
Operating temperature	–40°F to 158°F (–40°C to 70°C)
Management features	IMC SmartMC, command-line interface SNMP manager
Warranty	Limited Lifetime Warranty: See www.hpe.com/networking/warrantysummary for warranty and support information included with your product purchase. Software releases: for details on the software releases available with your product purchase refer to www.hpe.com/networking/warrantysummary.

Related Options

The following options are available for these series:

SKU	Description
Mounting Rack/Rail Options	
S0F80A	HPE Networking Comware 5120v3 Campus Rack Mount Kit
Transceiver Options	
JD099B	HPE Networking X120 1G SFP LC BX 10-D Transceiver
JD098B	HPE Networking X120 1G SFP LC BX 10-U Transceiver
JD103A	HPE Networking X120 1G SFP LC LH100 Transceiver
JD119B	HPE Networking X120 1G SFP LC LX Transceiver
JD118B	HPE Networking X120 1G SFP LC SX Transceiver
JD089B	HPE Networking X120 1G SFP RJ45 T Transceiver

Related Services

The following services are available for these series:

SKU	Description
Technology Services	
H87Y9E	HPE Aruba Networking 1 Year Foundational Care 4-Hour Exchange 5120v3 8G Service
H87Z2E	HPE Aruba Networking 1 Year Foundational Care 4-Hour Onsite 5120v3 8G Service
H87Z3E	HPE Aruba Networking 1 Year Foundational Care 24x7 with CDMR 5120v3 8G Service
H87Z4E	HPE Aruba Networking 1 Year Foundational Care Call-To-Repair 5120v3 8G Service
H87Z5E	HPE Aruba Networking 1 Year Foundational Care Call-To-Repair with CDMR 5120v3 8G Service
H87Z0E	HPE Aruba Networking 1 Year Foundational Care Next Business Day 5120v3 8G Service
H87Y8E	HPE Aruba Networking 1 Year Foundational Care Next Business Day Exchange 5120v3 8G Service
H87Z1E	HPE Aruba Networking 1 Year Foundational Care Next Business Day with CDMR 5120v3 8G Service
H87Z7E	HPE Aruba Networking 3 Year Foundational Care 4-Hour Exchange 5120v3 8G Service
H88A1E	HPE Aruba Networking 3 Year Foundational Care 4-Hour Onsite 5120v3 8G Service
H88A2E	HPE Aruba Networking 3 Year Foundational Care 24x7 with CDMR 5120v3 8G Service
H88A3E	HPE Aruba Networking 3 Year Foundational Care Call-To-Repair 5120v3 8G Service
H88A4E	HPE Aruba Networking 3 Year Foundational Care Call-To-Repair with CDMR 5120v3 8G Service
H87Z8E	HPE Aruba Networking 3 Year Foundational Care Next Business Day 5120v3 8G Service

H87Z6E	HPE Aruba Networking 3 Year Foundational Care Next Business Day Exchange 5120v3 8G Service
H87Z9E	HPE Aruba Networking 3 Year Foundational Care Next Business Day with CDMR 5120v3 8G Service
H88B5E	HPE Aruba Networking 5 Year Foundational Care 4-Hour Exchange 5120v3 8G Service
H88B9E	HPE Aruba Networking 5 Year Foundational Care 4-Hour Onsite 5120v3 8G Service
H88C0E	HPE Aruba Networking 5 Year Foundational Care 24x7 with CDMR 5120v3 8G Service
H88C1E	HPE Aruba Networking 5 Year Foundational Care Call-To-Repair 5120v3 8G Service
H88C2E	HPE Aruba Networking 5 Year Foundational Care Call-To-Repair with CDMR 5120v3 8G Service
H88B6E	HPE Aruba Networking 5 Year Foundational Care Next Business Day 5120v3 8G Service
H88B4E	HPE Aruba Networking 5 Year Foundational Care Next Business Day Exchange 5120v3 8G Service
H88B7E	HPE Aruba Networking 5 Year Foundational Care Next Business Day with CDMR 5120v3 8G Service

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.

GreenLake

GreenLake is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

— Streamline IT Operations across compute, storage, and networking without the chaos

— Unify and secure data, as you move faster

— Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

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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