

HPE Networking Comware Switch Series 5710



What's new

- Delivers up to 1,440 Gbps switching capacity for the most demanding applications.
- Low latency, under 1.5 μ s 10GbE latency, provides improved throughput and fewer lost packets.
- Provides choices that fit your budget and IT environment by offering different port density and speeds (1/10G) SFP+ or 10BASE-T with 40 and 100GbE high speed uplinks options.
- Affordably priced, with full support for Layer 2, Layer 3, IPv4 and IPv6 networking protocols at no additional cost for these advanced features.
- New made in USA TAA-compliant SKUs offer heightened security via

Overview

The HPE Networking Comware Switch Series 5710 are purpose built top-of-rack data center switches that address the growth of Web, cloud and dense virtualized environments that require high performance 1/10GbE server connectivity, direct attached IP storage networking and GbE out-of-band server management. The 5710 Series switch is a family of fixed high-performance and low-latency 1/10GbE top-of-rack data center switches designed for small to mid-size data center rack server connectivity. The HPE Networking Comware Switch Series 5710 provides choices that fit your budget and IT environment by offering different port density and speeds (1/10G) SFP+ or 10BASE-T with 40 and 100GbE high speed uplinks options. Although affordably priced, the 5710 Series switch offers a comprehensive set of data center features including full support for Layer 2, Layer 3, IPv4 and IPv6 networking protocols at no additional cost for these advanced features.

manual and automated source code analysis to address common programming issues, easing concerns about "made in China" products

Features

Accelerate Application Performance

The HPE Networking Comware Switch Series 5710 are high density, low-latency switches, the perfect solution for bandwidth-intensive workloads.

Two-tier network design delivers outstanding performance while protecting and extending existing Hewlett Packard Enterprise or 3rd party core network investments.

Delivers up to 1,440 Gbps switching capacity for the most demanding applications.

Low latency, under 1.5 μ s 10GbE latency, provides improved throughput and fewer lost packets.

Simplify Administration and Support

The HPE Networking Comware Switch Series 5710 addresses small to mid-size organizations needing fixed high-performance and low-latency 1/10GbE top-of-rack data center switches for server connectivity

The HPE Networking Comware Switch Series 5710 includes the HPE Intelligent Resilient Framework which reduces administrative touchpoints by making multiple physical switches appear as a single virtual switch from a management perspective.

Reduce Cost and Simplify Operations While Accelerating Performance

HPE Networking Comware Switch Series 5710 reduces lock-in and having to replace the hardware. Unlike competitive products based on proprietary technology and closed designs, the 5710 Series switch top-of-rack products are based on industry standards and an open architecture.

Removes hidden software expenses; the all-inclusive HPE Comware Switch license includes a complete set of advanced features.

High-performance IP-attached switching allows the reduction of equipment and operations expense and complexity and delivers fast connectivity for HPE 3PAR, HPE Nimble, HPE SimpliVity or third-party storage arrays.

Hewlett Packard Enterprise Servers and Networking are Better Together

HPE Networking Comware Switch Series 5710 helps accelerate performance, simplify operations and contain costs.

HPE ProLiant Servers, server networking options, HPE Comware top-of-rack switches, transceivers and cables are designed and tested to work better, together.

Ability to migrate your compute, storage and networking infrastructure to support the most business critical applications - with confidence.

Technical specifications	HPE Networking Comware Switch Series 5710
Power consumption	Idle power: 108W, maximum, depending on model
Ports	48 SPF, 40 1/10GBASE-T and 8 10GBASE-T, 24 SFP, or 24 1/10GBASE-T ports, depending on model. All models also have 6 QSFP+ or 2 QSFP28 ports.
Switching capacity	1440 Gbps, maximum, depending on model
Stacking capabilities	9 FlexFabric 5710 physical switches can be combined into one virtual switch configuration and are managed using a single IP address
Throughput	1071 Mpps, maximum, depending on model
Memory and processor	1 GB flash, 4 GB SDRAM, packet buffer size: 12 MB
Management features	HPE IMC, CLI, out-of-band management, SNMP Manager, Telnet, FTP
Warranty	1-year warranty. See the warranty duration .

SKU comparison

	HPE Networking Comware Switch 24p 10GBASE-T 6p QSFP+ 40G 2p QSFP28 100G TAA 5710 (S3K86A)	HPE Networking Comware Switch 24p SFP+ 1G/10G 6p QSFP+ 40G 2p QSFP28 100G TAA 5710 (S3K85A)	HPE Networking Comware Switch 24SFP+ 6QSFP+ or 2QSFP28 5710 (JL587A)	HPE Networking Comware Switch 24XGT 6QSFP+ or 2QSFP28 5710 (JL689A)	HPE Networking Comware Switch 48p 10GBASE-T 6p QSFP+ 40G 2p QSFP28 100G TAA 5710 (S3K84A)
Differentiator	24 1/10GBASE-T ports with either 6 QSFP+ or 2 QSFP28 ports. For small to mid-size organizations needing fixed high-performance and low-latency 1/10GbE top-of-rack data center switches for server connectivity.	24 SFP+ ports with either 6 QSFP+ or 2 QSFP28 ports. For small to mid-size organizations needing fixed high-performance and low-latency 1/10GbE top-of-rack data center switches for server connectivity.	24 SFP+ ports with either 6 QSFP+ or 2 QSFP28 ports. For small to mid-size organizations needing fixed high-performance and low-latency 1/10GbE top-of-rack data center switches for server connectivity.	24 1/10GBASE-T ports with either 6 QSFP+ or 2 QSFP28 ports. For small to mid-size organizations needing fixed high-performance and low-latency 1/10GbE top-of-rack data center switches for server connectivity.	40 1/10GBASE-T and 8 10GBASE-T ports with either 6 QSFP+ or 2 QSFP28 ports. For small to mid-size organizations needing fixed high-performance and low-latency 1/10GbE top-of-rack data center switches for server connectivity.
Power consumption	Idle power: 74W	Idle power: 74W	Idle power: 74W / 108W Max. output power: 250W / 450W depending on PSU	Max. output power: 450W	Idle power: 108W
Heat dissipation	457 BTU/hr	457 BTU/hr	457 BTU/hr	457 BTU/hr	900 BTU/hr
Input voltage	100 VAC-240 VAC				
Ports	24 1/10GBASE-T and 6 QSFP+ or 2 QSFP28	24 SFP and 6 QSFP+ or 2 QSFP28	24 SFP and 6 QSFP+ or 2 QSFP28	24 1/10GBASE-T and 6 QSFP+ or 2 QSFP28	40 1/10GBASE-T and 8 10GBASE-T and 6 QSFP+ or 2 QSFP28
Latency	<1.5 s (64-byte packets)	<1.5 s (64-byte packets)	<1.5 s (64-byte packets)	<1.5 s (64-byte packets)	<2.5 s (64-byte packets)
Switching capacity	960 Gbps	960 Gbps	960 Gbps	960 Gbps	1440 Gbps
Stacking capabilities	9 FlexFabric 5710 physical switches can be combined into one virtual switch configuration and are managed using a single IP address				
Throughput	714 Mpps	714 Mpps	714 Mpps	714 Mpps	1071 Mpps
Memory and processor	1 GB flash, 4 GB SDRAM packet buffer size: 12 MB				

	HPE Networking Comware Switch 24p 10GBASE-T 6p QSFP+ 40G 2p QSFP28 100G TAA 5710 (S3K86A)	HPE Networking Comware Switch 24p SFP+ 1G/10G 6p QSFP+ 40G 2p QSFP28 100G TAA 5710 (S3K85A)	HPE Networking Comware Switch 24SFP+ 6QSFP+ or 2QSFP28 5710 (JL587A)	HPE Networking Comware Switch 24XGT 6QSFP+ or 2QSFP28 5710 (JL689A)	HPE Networking Comware Switch 48p 10GBASE-T 6p QSFP+ 40G 2p QSFP28 100G TAA 5710 (S3K84A)
Management features	HPE IMC, CLI, out-of-band management, SNMP Manager, Telnet, FTP				
Warranty	1-year warranty. See the warranty duration.				

	HPE Networking Comware Switch 48p SFP+ 1G/10G 6p QSFP+ 40G 2p QSFP28 100G TAA 5710 (S3K83A)	HPE Networking Comware Switch 48SFP+ 6QSFP+ or 2QSFP28 5710 (JL585A)	HPE Networking Comware Switch 48XGT 6QSFP+ or 2QSFP28 5710 (JL586A)
Differentiator	48 SFP+ ports with either 6 QSFP+ or 2 QSFP28 ports. For small to mid-size organizations needing fixed high-performance and low-latency 1/10GbE top-of-rack data center switches for server connectivity.	48 SFP+ ports with either 6 QSFP+ or 2 QSFP28 ports. For small to mid-size organizations needing fixed high-performance and low-latency 1/10GbE top-of-rack data center switches for server connectivity.	40 1/10GBASE-T and 8 10GBASE-T ports with either 6 QSFP+ or 2 QSFP28 ports. For small to mid-size organizations needing fixed high-performance and low-latency 1/10GbE top-of-rack data center switches for server connectivity.
Power consumption	Idle power: 74W	Idle power: 74W / 108W Max. output power: 250W	Idle power: 108W Max. output power: 450W
Heat dissipation	607 BTU/hr	607 BTU/hr	900 BTU/hr
Input voltage	100 VAC–240 VAC		
Ports	48 SFP and 6 QSFP+ or 2 QSFP28	48 SFP and 6 QSFP+ or 2 QSFP28	40 1/10GBASE-T and 8 10GBASE-T and 6 QSFP+ or 2 QSFP28
Latency	<1.5 s (64-byte packets)	<1.5 s (64-byte packets)	<2.5 s (64-byte packets)
Switching capacity	1440 Gbps		
Stacking capabilities	9 FlexFabric 5710 physical switches can be combined into one virtual switch configuration and are managed using a single IP address		
Throughput	1071 Mpps		
Memory and processor	1 GB flash, 4 GB SDRAM packet buffer size: 12 MB		
Management features	HPE IMC, CLI, out-of-band management, SNMP Manager, Telnet, FTP		
Warranty	1-year warranty. See the warranty duration.		

Related Options

The following options are available for these series:

SKU	Description
Cables/Cable Kits	
JD095C	HPE Networking X240 10G SFP+ SFP+ 0.65m DAC Cable
JD096C	HPE Networking X240 10G SFP+ SFP+ 1.2m DAC Cable
JD097C	HPE Networking X240 10G SFP+ SFP+ 3m DAC Cable
JG081C	HPE Networking X240 10G SFP+ SFP+ 5m DAC Cable
JL271A	HPE Networking X240 100G QSFP28 1m DAC Cable
JL272A	HPE Networking X240 100G QSFP28 3m DAC Cable
JL273A	HPE Networking X240 100G QSFP28 5m DAC Cable
Fans/Fan Options	
JL594A	HPE Networking X721 FB Fan Tray
JL595A	HPE Networking X722 BF Fan Tray
Power Management Options	
JL590A	HPE Networking 5710 250W BF AC Power Supply Unit
JL589A	HPE Networking 5710 250W FB AC Power Supply Unit
JL688A	HPE Networking 5710 450W 48V FB DC Power Supply Unit
JL593A	HPE Networking 5710 450W BF AC Power Supply Unit
JL592A	HPE Networking 5710 450W FB AC Power Supply Unit
Transceiver Options	
JG326A	HPE Networking Comware X240 40G QSFP+ QSFP+ 1m Direct Attach Copper Cable
JG327A	HPE Networking Comware X240 40G QSFP+ QSFP+ 3m Direct Attach Copper Cable
JG328A	HPE Networking Comware X240 40G QSFP+ QSFP+ 5m Direct Attach Copper Cable
JG329A	HPE Networking Comware X240 40G QSFP+ to 4x10G SFP+ 1m Direct Attach Copper Splitter Cable
JG330A	HPE Networking Comware X240 40G QSFP+ to 4x10G SFP+ 3m Direct Attach Copper Splitter Cable
JG331A	HPE Networking Comware X240 40G QSFP+ to 4x10G SFP+ 5m Direct Attach Copper Splitter Cable
JL290A	HPE Networking X2A0 10G SFP+ to SFP+ 7m Active Optical Cable
JL291A	HPE Networking X2A0 10G SFP+ to SFP+ 10m Active Optical Cable
JL292A	HPE Networking X2A0 10G SFP+ to SFP+ 20m Active Optical Cable
JL287A	HPE Networking X2A0 40G QSFP+ to QSFP+ 7m Active Optical Cable
JL288A	HPE Networking X2A0 40G QSFP+ to QSFP+ 10m Active Optical Cable
JL289A	HPE Networking X2A0 40G QSFP+ to QSFP+ 20m Active Optical Cable

JL276A	HPE Networking X2A0 100G QSFP28 to QSFP28 7m Active Optical Cable
JL277A	HPE Networking X2A0 100G QSFP28 to QSFP28 10m Active Optical Cable
JL278A	HPE Networking X2A0 100G QSFP28 to QSFP28 20m Active Optical Cable
JD120B	HPE Networking X110 100M SFP LC LX Transceiver
JD102B	HPE Networking X115 100M SFP LC FX 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
JL738A	HPE Networking X130 10G SFP+ LC BiDi 10km-Downlink Transceiver
JL737A	HPE Networking X130 10G SFP+ LC BiDi 10km-Uplink Transceiver
JD094B	HPE Networking X130 10G SFP+ LC LR Transceiver
JD092B	HPE Networking X130 10G SFP+ LC SR Transceiver
JG709A	HPE Networking X140 40G QSFP+ CSR4 300m Transceiver
JL251A	HPE Networking X140 40G QSFP+ LC BiDi 100m MM Transceiver
JG661A	HPE Networking X140 40G QSFP+ LC LR4 SM 10km 1310nm Transceiver
JL286A	HPE Networking X140 40G QSFP+ LC LR4L 2km SM Transceiver
JG325B	HPE Networking X140 40G QSFP+ MPO SR4 Transceiver
JH673A	HPE Networking X150 100G QSFP28 CWDM4 2km SM Transceiver
JQ344A	HPE Networking X150 100G QSFP28 LC BiDi 100m MM Transceiver
JL275A	HPE Networking X150 100G QSFP28 LC LR4 10km SM Transceiver
JH419A	HPE Networking X150 100G QSFP28 LC SWDM4 100m MM Transceiver
JL274A	HPE Networking X150 100G QSFP28 MPO SR4 100m MM Transceiver
JH420A	HPE Networking X150 100G QSFP28 PSM4 500m SM Transceiver
JH672A	HPE Networking X150 100G QSFP28 eSR4 300m MM Transceiver

Related Services

The following services are available for these series:

SKU	Description
Technology Services	
HB3L6E	HPE Aruba Networking Foundational Care 1Y 4HR Exch FF 57x0 24 Switch SVC
HB3W2E	HPE Aruba Networking Foundational Care 1Y 4HR Exch FF 57x0 48 Switch SVC
HB3MOE	HPE Aruba Networking Foundational Care 1Y 4HR Onsite CDMR FF 57x0 24 Switch SVC

HB3W6E	HPE Aruba Networking Foundational Care 1Y 4HR Onsite CDMR FF 57x0 48 Switch SVC
HB3L9E	HPE Aruba Networking Foundational Care 1Y 4HR Onsite FF 57x0 24 Switch SVC
HB3W5E	HPE Aruba Networking Foundational Care 1Y 4HR Onsite FF 57x0 48 Switch SVC
HB3M2E	HPE Aruba Networking Foundational Care 1Y CTR 6-Hour CDMR FF 57x0 24 Switch SVC
HB3W8E	HPE Aruba Networking Foundational Care 1Y CTR 6-Hour CDMR FF 57x0 48 Switch SVC
HB3M1E	HPE Aruba Networking Foundational Care 1Y CTR 6-Hour FF 57x0 24 Switch SVC
HB3W7E	HPE Aruba Networking Foundational Care 1Y CTR 6-Hour FF 57x0 48 Switch SVC
HB3L5E	HPE Aruba Networking Foundational Care 1Y NBD Exch FF 57x0 24 Switch SVC
HB3W1E	HPE Aruba Networking Foundational Care 1Y NBD Exch FF 57x0 48 Switch SVC
HB3L8E	HPE Aruba Networking Foundational Care 1Y NBD Onsite CDMR FF 57x0 24 Switch SVC
HB3W4E	HPE Aruba Networking Foundational Care 1Y NBD Onsite CDMR FF 57x0 48 Switch SVC
HB3L7E	HPE Aruba Networking Foundational Care 1Y NBD Onsite FF 57x0 24 Switch SVC
HB3W3E	HPE Aruba Networking Foundational Care 1Y NBD Onsite FF 57x0 48 Switch SVC
HB3M4E	HPE Aruba Networking Foundational Care 3Y 4HR Exch FF 57x0 24 Switch SVC
HB3X0E	HPE Aruba Networking Foundational Care 3Y 4HR Exch FF 57x0 48 Switch SVC
HB3N5E	HPE Aruba Networking Foundational Care 3Y 4HR Onsite CDMR FF 57x0 24 Switch SVC
HB3Y1E	HPE Aruba Networking Foundational Care 3Y 4HR Onsite CDMR FF 57x0 48 Switch SVC
HB3N4E	HPE Aruba Networking Foundational Care 3Y 4HR Onsite FF 57x0 24 Switch SVC
HB3Y0E	HPE Aruba Networking Foundational Care 3Y 4HR Onsite FF 57x0 48 Switch SVC
HB3P1E	HPE Aruba Networking Foundational Care 3Y CTR 6-Hour CDMR FF 57x0 24 Switch SVC
HB3Y7E	HPE Aruba Networking Foundational Care 3Y CTR 6-Hour CDMR FF 57x0 48 Switch SVC
HB3P0E	HPE Aruba Networking Foundational Care 3Y CTR 6-Hour FF 57x0 24 Switch SVC
HB3Y6E	HPE Aruba Networking Foundational Care 3Y CTR 6-Hour FF 57x0 48 Switch SVC
HB3M3E	HPE Aruba Networking Foundational Care 3Y NBD Exch FF 57x0 24 Switch SVC
HB3W9E	HPE Aruba Networking Foundational Care 3Y NBD Exch FF 57x0 48 Switch SVC
HB3M8E	HPE Aruba Networking Foundational Care 3Y NBD Onsite CDMR FF 57x0 24 Switch SVC
HB3X4E	HPE Aruba Networking Foundational Care 3Y NBD Onsite CDMR FF 57x0 48 Switch SVC
HB3M7E	HPE Aruba Networking Foundational Care 3Y NBD Onsite FF 57x0 24 Switch SVC
HB3X3E	HPE Aruba Networking Foundational Care 3Y NBD Onsite FF 57x0 48 Switch SVC
HB3S1E	HPE Aruba Networking Foundational Care 5Y 4HR Exch FF 57x0 24 Switch SVC
HB4B7E	HPE Aruba Networking Foundational Care 5Y 4HR Exch FF 57x0 48 Switch SVC
HB3T2E	HPE Aruba Networking Foundational Care 5Y 4HR Onsite CDMR FF 57x0 24 Switch SVC
HB4C8E	HPE Aruba Networking Foundational Care 5Y 4HR Onsite CDMR FF 57x0 48 Switch SVC
HB3T1E	HPE Aruba Networking Foundational Care 5Y 4HR Onsite FF 57x0 24 Switch SVC
HB4C7E	HPE Aruba Networking Foundational Care 5Y 4HR Onsite FF 57x0 48 Switch SVC
HB3T8E	HPE Aruba Networking Foundational Care 5Y CTR 6-Hour CDMR FF 57x0 24 Switch SVC

HB4D4E	HPE Aruba Networking Foundational Care 5Y CTR 6-Hour CDMR FF 57x0 48 Switch SVC
HB3T7E	HPE Aruba Networking Foundational Care 5Y CTR 6-Hour FF 57x0 24 Switch SVC
HB4D3E	HPE Aruba Networking Foundational Care 5Y CTR 6-Hour FF 57x0 48 Switch SVC
HB3S0E	HPE Aruba Networking Foundational Care 5Y NBD Exch FF 57x0 24 Switch SVC
HB4B6E	HPE Aruba Networking Foundational Care 5Y NBD Exch FF 57x0 48 Switch SVC
HB3S5E	HPE Aruba Networking Foundational Care 5Y NBD Onsite CDMR FF 57x0 24 Switch SVC
HB4C1E	HPE Aruba Networking Foundational Care 5Y NBD Onsite CDMR FF 57x0 48 Switch SVC
HB3S4E	HPE Aruba Networking Foundational Care 5Y NBD Onsite FF 57x0 24 Switch SVC
HB4C0E	HPE Aruba Networking Foundational Care 5Y NBD Onsite FF 57x0 48 Switch SVC
UX120E	HPE Aruba Networking Networks 5810 5800 Series Switch Installation SVC
U8JL9E	HPE Aruba Networking Switch Startup SVC

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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