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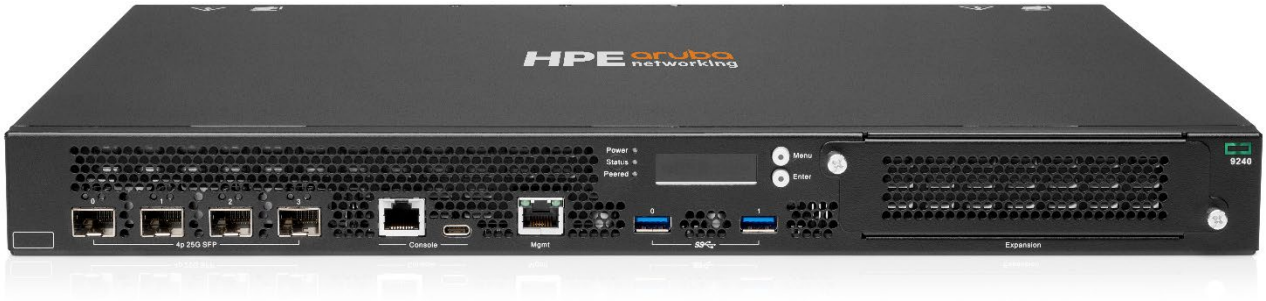
HPE Aruba Networking 9200 Series Campus Gateways QuickSpecs

Enterprise-Class Wi-Fi Performance and Reliability at Scale

The HPE Aruba Networking 9200 Series Campus Gateway delivers enhanced Wi-Fi scalability and security to meet demands at the Edge. Engineered for mission-critical environments, this series delivers high performance, seamless roaming, 24x7 reliability, and always-on connectivity – even during upgrades. The HPE Aruba Networking 9200 Series Campus Gateway provides consistent policy enforcement across wired and wireless and dynamic segmentation for any user or device – even IoT.

Overview



HPE Aruba Networking 9200 Series Campus Gateways

Standard Features

Enterprise-Class Performance

For medium and large enterprises who require high performance and 24x7 reliability, the HPE Aruba Networking 9200 Series is designed to scale to meet todays and future demands. This gateway builds upon HPE Aruba Networking legacy 7200 Series Gateways to provide next-generation connectivity for up to 2,048 Aps and 32,000 devices.

To ensure high availability, the gateway supports live upgrades and multiple gateways can be clustered together at each location for business continuity. Zero touch provisioning eliminates the need for on-site IT support.

Investment Protection

The HPE Aruba Networking 9200 Series Campus Gateway removes the need for overprovisioning or frequent hardware refreshes with software upgrade licenses that unlock additional capacity with no hardware refresh required. Enterprises can opt for hardware only (20 Gbps total throughput, 512 Aps/16K devices) or for greater capacity they can add silver perpetual licenses (30 Gbps total throughput, 1K Aps/24K devices) or gold perpetual licenses (40 Gbps total throughput, 2K Aps/32K devices).

Flexible Consumption

HPE Aruba Networking 9200 Series Campus Gateway supports WLAN and SD-WAN deployments with a choice of HPE Aruba Networking Central subscription licenses. GreenLake for Networking can help with the transition to a subscription-based network consumption model.

Powerful Security Enforcement

HPE Aruba Networking 9200 Series Campus Gateway delivers consistent policy enforcement across wired and wireless via dynamic segmentation. Traffic is tunneled to the gateway where granular rules are applied for any user, location, application, or device type – including IoT. For example, traffic can be segmented based on a defined set of user types such as guest, contractor, or employee to provide greater levels of security.

To deliver unified policy enforcement, these gateways rely on a built-in Layer 4-7 stateful firewall known as the policy enforcement firewall (PEF). It streamlines policy management by working across WLAN, LAN, and WAN. When deployed alongside HPE Aruba Networking ClearPass Policy Manager, policies are automatically enforced to simplify SSID, VLAN, and policy management.

Standard Features

Advanced Capabilities

Seamless Roaming

Users often experience delays and application disconnects when they move from one subnet to another, for example on a large campus. This is caused the designation of a single subnet per building, which restricts the roaming domain to a specific building. When roaming across buildings, application persistence is lost and new sign on are required. The HPE Aruba Networking 9200 Series Campus supports tunneling so that two disparate networks can connect directly to one another, bypassing normal routing rules and allowing a station to maintain the same Layer 3 address when roaming throughout a multi-VLAN network to improve the mobile user experience.

Quality of Service

Deep Packet Inspection provides greater application visibility and control. As a part of the policy enforcement firewall, the gateway consistently evaluates and optimizes performance and usage policies for over 3,000 applications. This ensures the highest possible Quality of Service (QoS) – even for encrypted traffic.

Redundancy and Clustering

HPE Aruba Networking 9000 Series can be deployed with N+1 or NxN redundancy and can also join a controller cluster when deployed as a mobility controller managed by Mobility Conductor. This increases performance and scale for enhanced resiliency.

Simple to use, mobile provisioning

Allows on-site personnel to use a mobile app to onboard gateways. A central IT team can verify device location, licenses, and status with no additional steps required.

Unified Communications and Collaboration (UCC)

Visualize and troubleshoot networks based on call quality metrics such as MOS, latency, jitter, and packet loss. Supported applications include Teams, Zoom, Skype, Wi-Fi Calling, FaceTime, SIP, Jabber, Spark, and more.

IoT and Integration Ready

To support IoT and integrate with your existing infrastructure, HPE Aruba Networking 9200 Series offers integrated device profiling. This improves client visibility and works with HPE Aruba Networking ClearPass Policy Manager to provide advanced user, device, and IoT policy management and insights.

Configuration Information

BTO Models

AC Powered Gateway

HPE Aruba Networking 9240 Gateways

Description	SKU
HPE Aruba Networking 9240 (US) 4xSFP28 1 Expansion Slot Campus Gateway	R7H95A
HPE Aruba Networking 9240 (RW) 4xSFP28 1 Expansion Slot Campus Gateway	R7H97A
HPE Aruba Networking 9240 (IL) 4xSFP28 1 Expansion Slot Campus Gateway	R7H99A
HPE Aruba Networking 9240 (JP) 4xSFP28 1 Expansion Slot Campus Gateway	R7J00A
HPE Aruba Networking 9240 (EG) 4xSFP28 1 Expansion Slot Campus Gateway	R7J01A

TAA Gateways

HPE Aruba Networking 9240 TAA Gateways

Description	SKU
HPE Aruba Networking 9240 (US) TAA 4xSFP28 1 Expansion Slot Campus Gateway	R7J02A
HPE Aruba Networking 9240 (RW) TAA 4xSFP28 1 Expansion Slot Campus Gateway	R7J03A
HPE Aruba Networking 9240 (IL) TAA 4xSFP28 1 Expansion Slot Campus Gateway	R7J04A
HPE Aruba Networking 9240 (JP) TAA 4xSFP28 1 Expansion Slot Campus Gateway	R7J05A
HPE Aruba Networking 9240 (EG) TAA 4xSFP28 1 Expansion Slot Campus Gateway	R7J06A

Transceivers

SFP

Description	SKU
HPE Aruba Networking 1G SFP LC SX 500m OM2 MMF Transceiver	J4858D
HPE Aruba Networking 1G SFP LC LX 10km SMF Transceiver	J4859D
HPE Aruba Networking 1G SFP LC SX 500m MMF TAA Transceiver	JL745A
HPE Aruba Networking 1G SFP LC LX 10km SMF TAA Transceiver	JL746A

SFP+

Description	SKU
HPE Aruba Networking 10G SFP+ LC SR 300m OM3 MMF Transceiver	J9150D
HPE Aruba Networking 10G SFP+ LC LR 10km SMF Transceiver	J9151E
HPE Aruba Networking 10G SFP+ LC ER 40km SMF Transceiver	J9153D
HPE Aruba Networking 10G SFP+ LC LR 10km SMF TAA Transceiver	JL749A
HPE Aruba Networking 10G SFP+ to SFP+ 1m Direct Attach Copper Cable	J9281D
HPE Aruba Networking 10G SFP+ to SFP+ 3m Direct Attach Copper Cable	J9283D
HPE Aruba Networking 10G SFP+ to SFP+ 7m Direct Attach Copper Cable	J9285D

SFP28

Description	SKU
HPE Aruba Networking 25G SFP28 LC eSR 400m MMF Transceiver	JL485A
HPE Aruba Networking 25G SFP28 LC SR 100m MMF Transceiver	JL484A
HPE Aruba Networking 25G SFP28 LC LR 10km SMF Transceiver	JL486A
HPE Aruba Networking 25G SFP28 to SFP28 0.65m Direct Attach Cable	JL487A
HPE Aruba Networking 25G SFP28 to SFP28 3m Direct Attach Copper Cable	JL488A

Configuration Information

HPE Aruba Networking 25G SFP28 to SFP28 5m Direct Attach Copper Cable	JL489A
HPE Aruba Networking 25G SFP28 to SFP28 3m Active Optical Cable	R0M44A
HPE Aruba Networking 25G SFP28 to SFP28 7m Active Optical Cable	R0M45A
HPE Aruba Networking 25G SFP28 to SFP28 15m Active Optical Cable	R0Z21A

Accessories

Gateway Mount Kits

Description	SKU
HPE Aruba Networking 9240 Spare Rack Mount Kit	R9D13A

Fan Trays

Description	SKU
HPE Aruba Networking HW-9240-FT 9240 Series Fan Tray	R7J65A

Spares

Description	SKU
HPE Aruba Networking PSU-550-AC 550W AC Power Supply	R7J63A

Software

Licenses

Description	SKU
HPE Aruba Networking 92/72xx SD-Branch Gateway Foundation 1-year Subscription E-STU	JZ195AAE
HPE Aruba Networking 92/72xx SD-Branch Gateway Foundation 3-year Subscription E-STU	JZ196AAE
HPE Aruba Networking 92/72xx SD-Branch Gateway Foundation 5-year Subscription E-STU	JZ197AAE
HPE Aruba Networking 92/72xx SD-Branch Gateway Foundation 7-year Subscription E-STU	R0G60AAE
HPE Aruba Networking 92/72xx SD-Branch Gateway Foundation 10-year Subscription E-STU	R0G61AAE
HPE Aruba Networking 92/72xx SD-Branch Gateway Advanced 1-year Subscription E-STU	JZ198AAE
HPE Aruba Networking 92/72xx SD-Branch Gateway Advanced 3-year Subscription E-STU	JZ199AAE
HPE Aruba Networking 92/72xx SD-Branch Gateway Advanced 5-year Subscription E-STU	JZ200AAE
HPE Aruba Networking 92/72xx SD-Branch Gateway Advanced 7-year Subscription E-STU	R0G62AAE
HPE Aruba Networking 92/72xx SD-Branch Gateway Advanced 10-year Subscription E-STU	R0G63AAE
HPE Aruba Networking 92/72xx Central On-Premises Gateway WLAN Advanced 1-year Subscription E-STU	S6D96AAE
HPE Aruba Networking 92/72xx Central On-Premises Gateway WLAN Advanced 3-year Subscription E-STU	S6D97AAE
HPE Aruba Networking 92/72xx Central On-Premises Gateway WLAN Advanced 5-year Subscription E-STU	S6D98AAE
HPE Aruba Networking 92/72xx Central On-Premises Gateway WLAN Advanced 7-year Subscription E-STU	S6D99AAE
HPE Aruba Networking 92/72xx Central On-Premises Gateway WLAN Advanced 10-year Subscription E-STU	S6E00AAE
HPE Aruba Networking 92xx Central On-Premises Gateway WLAN Advanced Plus Security 1-year E-STU	S6E06AAE

Configuration Information

HPE Aruba Networking 92xx Central On-Premises Gateway WLAN Advanced Plus Security 3-year E-STU	S6E07AAE
HPE Aruba Networking 92xx Central On-Premises Gateway WLAN Advanced Plus Security 5-year E-STU	S6E08AAE
HPE Aruba Networking 92xx Central On-Premises Gateway WLAN Advanced Plus Security 7-year E-STU	S6E09AAE
HPE Aruba Networking 92xx Central On-Premises Gateway WLAN Advanced Plus Security 10-year E-STU	S6E10AAE
HPE Aruba Networking 92/72xx Gateway WLAN Advanced 1-year Subscription E-STU	S0V01AAE
HPE Aruba Networking 92/72xx Gateway WLAN Advanced 3-year Subscription E-STU	S0V02AAE
HPE Aruba Networking 92/72xx Gateway WLAN Advanced 5-year Subscription E-STU	S0V03AAE
HPE Aruba Networking 92/72xx Gateway WLAN Advanced 7-year Subscription E-STU	S0V04AAE
HPE Aruba Networking 92/72xx Gateway WLAN Advanced 10-year Subscription E-STU	S0V05AAE
HPE Aruba Networking 92xx SD-Branch Gateway Foundation Plus Security 1-year Subscription E-STU	S0S50AAE
HPE Aruba Networking 92xx SD-Branch Gateway Foundation Plus Security 3-year Subscription E-STU	S0S51AAE
HPE Aruba Networking 92xx SD-Branch Gateway Foundation Plus Security 5-year Subscription E-STU	S0S52AAE
HPE Aruba Networking 92xx SD-Branch Gateway Foundation Plus Security 7-year Subscription E-STU	S0S53AAE
HPE Aruba Networking 92xx SD-Branch Gateway Foundation Plus Security 10-year Subscription E-STU	S0S54AAE
HPE Aruba Networking 92xx SD-Branch Gateway Advanced Plus Security 1-year Subscription E-STU	S0S55AAE
HPE Aruba Networking 92xx SD-Branch Gateway Advanced Plus Security 3-year Subscription E-STU	S0S56AAE
HPE Aruba Networking 92xx SD-Branch Gateway Advanced Plus Security 5-year Subscription E-STU	S0S57AAE
HPE Aruba Networking 92xx SD-Branch Gateway Advanced Plus Security 7-year Subscription E-STU	S0S58AAE
HPE Aruba Networking 92xx SD-Branch Gateway Advanced Plus Security 10-year Subscription E-STU	S0S59AAE
HPE Aruba Networking 92xx Gateway WLAN Advanced Plus Security 1-year Subscription E-STU	S0V06AAE
HPE Aruba Networking 92xx Gateway WLAN Advanced Plus Security 3-year Subscription E-STU	S0V07AAE
HPE Aruba Networking 92xx Gateway WLAN Advanced Plus Security 5-year Subscription E-STU	S0V08AAE
HPE Aruba Networking 92xx Gateway WLAN Advanced Plus Security 7-year Subscription E-STU	S0V09AAE
HPE Aruba Networking 92xx Gateway WLAN Advanced Plus Security 10-year Subscription E-STU	S0V10AAE
HPE Aruba Networking 92xx Gateway WLAN Advanced plus Security 1-year Subscription SaaS	S3S54AAS
HPE Aruba Networking 92xx Gateway WLAN Advanced plus Security 3-year Subscription SaaS	S3S55AAS
HPE Aruba Networking 92xx Gateway WLAN Advanced plus Security 5-year Subscription SaaS	S3S56AAS
HPE Aruba Networking 92xx Gateway WLAN Advanced plus Security 7-year Subscription SaaS	S3S57AAS
HPE Aruba Networking 92xx Gateway WLAN Advanced plus Security 10-year Subscription SaaS	S3S58AAS
HPE Aruba Networking 92/72xx Gateway WLAN Advanced 1-year Subscription SaaS	S3S47AAS
HPE Aruba Networking 92/72xx Gateway WLAN Advanced 3-year Subscription SaaS	S3S48AAS
HPE Aruba Networking 92/72xx Gateway WLAN Advanced 5-year Subscription SaaS	S3S49AAS
HPE Aruba Networking 92/72xx SD-Branch Gateway Foundation 7-year Subscription SaaS	S3S52AAS
HPE Aruba Networking 92/72xx Gateway WLAN Advanced 10-year Subscription SaaS	S3S51AAS
HPE Aruba Networking 92xx SD-Branch Gateway Advanced plus Security 1-year Subscription SaaS	S3S42AAS
HPE Aruba Networking 92xx SD-Branch Gateway Advanced plus Security 3-year Subscription SaaS	S3S43AAS
HPE Aruba Networking 92xx SD-Branch Gateway Advanced plus Security 5-year Subscription SaaS	S3S44AAS
HPE Aruba Networking 92xx SD-Branch Gateway Advanced plus Security 7-year Subscription SaaS	S3S45AAS
HPE Aruba Networking 92xx SD-Branch Gateway Advanced plus Security 10-year Subscription SaaS	S3S46AAS
HPE Aruba Networking 92xx SD-Branch Gateway Foundation plus Security 1-year Subscription SaaS	S3S59AAS
HPE Aruba Networking 92xx SD-Branch Gateway Foundation plus Security 3-year Subscription SaaS	S3S60AAS

Configuration Information

HPE Aruba Networking 92xx SD-Branch Gateway Foundation plus Security 5-year Subscription SaaS	S3S39AAS
HPE Aruba Networking 92xx SD-Branch Gateway Foundation plus Security 7-year Subscription SaaS	S3S40AAS
HPE Aruba Networking 92xx SD-Branch Gateway Foundation plus Security 10-year Subscription SaaS	S3S41AAS
HPE Aruba Networking 92/72xx SD-Branch Gateway Advanced 1-year Subscription SaaS	JZ198AAS
HPE Aruba Networking 92/72xx SD-Branch Gateway Advanced 3-year Subscription SaaS	JZ199AAS
HPE Aruba Networking 92/72xx SD-Branch Gateway Advanced 5-year Subscription SaaS	JZ200AAS
HPE Aruba Networking 92/72xx Gateway WLAN Advanced 7-year Subscription SaaS	S3S50AAS
HPE Aruba Networking 92/72xx SD-Branch Gateway Advanced 10-year Subscription SaaS	S3S53AAS

Technical Specifications

Performance	Base Hardware	w/ Silver License	w/ Gold License
Replaces	**7210**	**7220**	**7240XM**
Firewall throughput (Gbps)	20	30	40
Encrypted throughput GRE (Gbps)	20	30	40
Encrypted throughput AES-CBC-128 (Gbps)	20	30	38
Encrypted throughput AES-CBC-256 (Gbps)	20	30	39
Encrypted throughput AES-GCM-128 (Gbps)	20	30	40
Encrypted throughput AES-GCM-256 (Gbps)	20	30	40
Encrypted throughput AES-CCM (Gbps)	20	28	30
AOS-10			
Minimum suppported software verstion	AOS 10.4	AOS 10.6	AOS 10.6
Cluster size	6	6	6
Maximum clients	32K	48K	64K
Maximum clients per cluster	128K	192K	256K
Max devices (APs)	4K	8K	16K
Max devices (APs) per cluster	8K	16K	32K
Maximum datapath / firewall sessions	4M	4M	4M
Concurrent IPSec tunnels	32K	64K	128K
Total tunnels	40K	80K	160K
ARP	64K	96K	128K
Max DHCP clients	16K	16K	16K
L2 VLAN (IPv4)	4K	4K	4K
L3 VLAN (IPv4)	4K	4K	4K
L3 VLAN (IPv6)	512	512	512
Maximum bridge table	1M	1.5M	2M
Minimum IPv6 neighbors	128K	192K	256K
Max IPv4 static routes	4K	4K	4K
Max IPv6 static routes	1K	1K	1K
OSPF routes	57K	57K	57K
Access control lists	2,678	2,678	2,678
Configurable bandwidth contracts	1K	1k	1K

Technical Specifications

AOS-8			
Replaces	7210	7220	7240XM
Minimum supported software version	AOS 8.10		
Cluster size	12	12	12
Maximum campus or remote access points	512	1K	2K
Maximum concurrent users/devices	16K	24K	32K
Active firewall sessions	2M	2M	2M
Concurrent GRE tunnels	8K	16K	32K
L2 VLANs	4K	4K	4K
L3 VLANs (IPv4 interfaces)	4K	4K	4K
L3 VLANs (IPv6 interfaces)	128	128	128
Concurrent IPsec sessions	16K	24K	32K
Concurrent SSL sessions	8K	8K	8K
IAP-VPN	6.5K	8K	8K

Interfaces and Indicators	
Form Factor	1 RU
Interface	4x SFP28
Out of Band Management Port	1x RJ45
Console port	USB-C, RJ45
USB 3.0 Type-A	2
LCD Display	1
Power LED	Yes
Status LED	Yes
Peered LED (Reserved for Future Use)	Yes
Expansion Slot (Reserved for Future Use)	1
Power Supply Slots	1 + Redundant
Fan Trays	5
Physical	
Dimensions (HxWxD)	1.73" x 17.40" x15.60" (4.4 cm x 44.2cm x 39.6 cm)
Weight	18.08 lbs (8.2 kg)
MTBF (Hours at 25C with Fans and PSU)	185,301
Environmentals	
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Storage Temperature	–40 °C to 70 °C (–40 °F to 158 °F)
Humidity/Storage Humidity	10% to 90% (RH)/10% to 95% (RH), non-condensing
Operating Altitude	10,000 feet
Acoustic Noise[1]	65.2 dBA (Typ)
Maximum Heat Dissipation (BTU/hour)	648 BTU/hr
Maximum Power Consumption	190W
Power Source	550-watt power supply
Notes: [1]Sound power per ETSI 300 753 in accordance with ISO 7779	

Technical Specifications

Power Supply Certifications	
Input voltage range	100 VAC to 240 VAC
Output Voltage	12V
Input frequency	50-60 Hz
AC line input current (steady state)	7.1A
Operating Temperature	0° C to 55° C
Cooling	Internal fan (Air flow rear to front)
Weight	0.8Kg

Service and Warranty Information

Hardware

1-year parts/ labor, can be extended with support contract

Mobility Controller Software

90 days, can be extended with support contract

Summary of Changes

Date	Version History	Action	Description of Change
06-Jul-2026	Version 14	Changed	Internal QS Updates: Survey Text link and portrait brand format update.
05-Jan-2026	Version 13	Changed	Overview, Standard Features, and Technical Specifications sections were updated. Software SKUs were added in Configuration Information section.
18-Nov-2024	Version 12	Changed	Overview and Configuration Information sections were updated.
03-Sep-2024	Version 11	Changed	Overview, Standard Features, and Technical Specifications sections were updated
01-Apr-2024	Version 10	Changed	Configuration Information section was updated
04-Mar-2024	Version 9	Changed	Configuration Information section was updated
04-Dec-2023	Version 8	Changed	Series name was updated
06-Nov-2023	Version 7	Changed	Configuration Information section was updated Series name was updated
16-Oct-2023	Version 6	Changed	Configuration Information section was updated
07-Aug-2023	Version 5	Changed	Configuration Information section was updated.
06-Mar-2023	Version 4	Changed	Configuration Information section was updated.
05-Dec-2022	Version 3	Changed	Configuration Information section was updated, new SKUs were also added.
03-Oct-2022	Version 2	Changed	Configuration Information section was updated.
04-Apr-2022	Version 1	New	New QuickSpecs

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