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HPE Aruba Networking 9100 Series Hybrid Gateways QuickSpecs

Scalable, secure, and intelligent cloud-based edge appliance

The HPE Aruba Networking 9100 Series Hybrid Gateways is a cloud-optimized edge appliance designed to extend enterprise services securely and seamlessly to large branch and small campus networks. This purpose-built high-performance edge appliance delivers Wi-Fi roaming, 24x7 reliability, and always-on connectivity – even during upgrades. Intelligent automation, AI insights, and unified infrastructure management, provided by HPE Aruba Networking Wireless Operating System AOS-10 and HPE Aruba Networking Central, help drive efficient IT operations. The latest HPE Aruba Networking 9106 Hybrid Gateway models also support HPE Aruba Networking Wireless Operating System AOS-8.

Overview

The 9100 Series Hybrid Gateway provides advanced wireless capabilities, intelligent routing with both wireless and wired tunnel orchestration, and strengthens security with automated and unified role-based policy enforcement for users and IoT across LAN, WAN and SD-WAN. This cloud-based edge appliance takes advantage of AOS 10 distributed software architecture and HPE Aruba Networking Central for greater scalability, security, and AI-powered optimization. Importantly, it adds the versatility for network services to be provided on-premises, allowing the HPE Aruba Networking 9100 Series Hybrid Gateways to bring needed scalability to campus wireless gateway use cases or to optimize local routing and services at branch networks.

Ideal for large branch deployments and small campus networks, the HPE Aruba Networking 9100 Series Hybrid Gateway is cloud-managed which reduces on-site IT requirements. It can operate in several modes: as an SD-Branch gateway for tunnel and route orchestration, security, and WAN management; as a powerful cloud-based wireless gateway; or VPN Concentrator (VPNC) for remote network and client VPN connectivity.



HPE Aruba Networking 9100 Series Hybrid Gateways

Key Features

- Versatile, scalable platform for cloud-based wireless gateway, SD-Branch device, or VPN Concentrator use cases
- Scalable cloud-native AOS-10 architecture provides connectivity for up to 4K access points and 10K customers
- Streamlined cloud-based management and control with HPE Aruba Networking Central
- Dynamic Segmentation for automated role-based policy enforcement across users, devices, and Internet of Things (IoT)
- High availability with live upgrades, clustering, and N+1 or NxN redundancy
- High-speed wired connectivity with 10GbE fiber ports for up to 20 Gbps throughput
- Zero Touch Provisioning simplifies deployment at branch sites
- The latest 9106 models support both HPE Aruba Networking Wireless Operating System AOS-8 and AOS-10.

Standard Features

Enterprise-Class Performance

For small campuses or large branches that require high performance and 24x7 reliability, the HPE Aruba Networking 9100 Series Hybrid Gateways is designed to scale to meet growing enterprise requirements. The modern cloud native AOS 10 architecture provides the 9100 Series Hybrid Gateways with scale to deliver higher performance than legacy controllers, supporting up to 4K APs and 10K clients with seamless roaming for latency sensitive applications. High-speed 10GbE fiber interfaces deliver up to 20Gbps throughput to minimize traffic bottlenecks.

High Availability and Resiliency

For always-on connectivity, the HPE Aruba Networking 9100 Series Hybrid Gateways supports redundancy, clustering, and live upgrades; it can be deployed with N+1 or NxN redundancy and multiple gateways can be clustered at each location supporting hitless failover that's critical for uninterrupted business continuity.

Dynamic Segmentation and Policy Enforcement

Protecting and delivering network access across enterprise branch and campus sites is critical and complex. To improve security and simplify management, Dynamic Segmentation eliminates the time consuming and error-prone task of managing complex and static VLANs, ACLs, and subnets by dynamically assigning policies and keeping traffic secure and separated. IT can centrally configure with automatic enforcement of role-based policies that define proper access privileges for employees, guests, contractors, and other user groups– no matter where users connect on wired and WLANs. Additionally, the HPE Aruba Networking 9100 Series Hybrid Gateways relies 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 and policies are automatically enforced to simplify SSID, VLAN and policy management.

Versatile Platform

The versatile HPE Aruba Networking 9100 Series Hybrid Gateways takes advantage of its scalable cloud-based architecture to make it ideal for SD-Branch, wireless gateway, or VPN Concentrator use cases. It can be deployed as a high-performance cloud-based wireless gateway to provide LAN and LAN services such as Dynamic Segmentation, stateful firewall and Live Upgrades. As an SD-Branch gateway, the HPE Aruba Networking 9100 Series Hybrid Gateways provides tunnel and route orchestration, security, and WAN management. Or it can also act as a VPN Concentrator for remote network and client VPN connectivity.

Simple Deployment

Zero touch and one touch provisioning automate deployment of managed devices by accessing the location and global configuration and licenses and automatically provisioning itself. Using an intuitive mobile app, on-site personnel can quickly onboard the HPE Aruba Networking 9100 Series Hybrid Gateways, and then the IT team can verify device location, licenses, and status with no additional steps required. This is ideal for branch deployments with few or no onsite IT resources.

Standard Features

Connectivity

The 9100 Series includes the 9114 with four 10GbE SFP+ fiber ports and four 1GbE combo SFP/copper ports for fast and flexible connectivity. The compact 9106 model has two 10GbE SFP+ fiber ports, two 1GbE combo SFP/copper ports and two 1GbE ports supporting up to 60W PoE.

HPE Aruba Networking Gateways					
	HPE Aruba Networking 9000 Series Gateway		**HPE Aruba Networking 9100 Series Hybrid Gateways**		**HPE Aruba Networking 9200 Series Gateway**
Model	**9004, 9004-LTE**	**9012**	**9106**	**9114**	**9240**
Use Case	Small branch	Medium branch	Large Branch to small campus	VPNC and small campus	Medium to large campus
Devices (Aps)	128	256	2K	4K	4K-16K
Max. Clients	2K	2K	8K	10K	32K-64K
Interfaces	4 x 1 GbE (LTE: 9004-LTE)	12 x 1 GbE; 120W PoE	2 x 10 GbE SFP+; 2 x Combo (SFP/1GbE copper); 2 x 1 GbE; 60W PoE	4 x 10 GbE SFP+; 4 x Combo (SFP/1GbE copper)	4 x 25 GbE SFP28
HPE Aruba Networking Central Deployment	– Cloud (SaaS) – On-premises	– Cloud (SaaS) – On-premises	– Cloud (SaaS) – On-premise	– Cloud (SaaS)	– Cloud (SaaS) – On-premises

SD-Branch Gateway Support In AOS 10

The HPE Aruba Networking EdgeConnect SD-Branch solution is included as part of AOS 10 and HPE Aruba Networking Central to address the entire remote branch experience from the edge to the cloud to the core, with strong security and software-defined performance benefits. This SD-Branch solution eliminates the complexity of branch networks by delivering a simple way to centrally automate the deployment, management, and operation of your wired, wireless, WAN, and security infrastructure under a single, software-defined framework for policy and segmentation.

The multi-purpose HPE Aruba Networking 9100 Series Hybrid Gateways is ideal for large branch deployments acting as a high-performance gateway for tunnel and route orchestration, security, and WAN management. And it can support remote work and client VPN connectivity by acting as a VPN Concentrator for microbranch sites (very small, remote corporate offices) and SD-Branch use cases.

Standard Features

Enhanced Wireless Gateway Support

The HPE Aruba Networking 9100 Series Hybrid Gateways running AOS 10 and HPE Aruba Networking Central supports a wide range of enhanced Wi-Fi capabilities:

- Seamless roaming allows clients to maintain the same IP address when roaming between different network domains for more efficient roaming and a better mobile experience.
- Enhanced security with dynamic segmentation to eliminate the time consuming and error-prone task of managing complex and static VLANs, ACLs, and subnets by dynamically assigning policies and keeping traffic secure and separated. Wizard-based UI-driven workflows in HPE Aruba Networking Central NetConductor automate network design and policy creation, further streamlining network configuration and security operations from the cloud.
- Deep Packet Inspection provides greater application visibility and control. As a part of the policy enforcement firewall, the HPE Aruba Networking 9100 Series Hybrid Gateways consistently evaluates and optimizes performance and usage policies for over 3,800 applications for granular, per-app traffic enforcement, allowing IT to block, prioritize, and rate-limit bandwidth for an individual or groups of apps.
- Web Content Classification (WCC) classifies websites by content category and rates them by reputation and risk score, enabling IT to block malicious sites to help prevent phishing, DDoS, botnets, and other common attacks.

HPE Aruba Networking Central

HPE Aruba Networking Central is an AI-powered solution that simplifies IT operations, improves agility, and reduces costs by unifying management of all network infrastructure. Built for enterprise-grade resiliency and security, while simple enough for smaller businesses with limited IT staff, HPE Aruba Networking Central is your single point of visibility and control that spans the entire network -from branch to data center, wired and wireless LAN to WAN.

Flexible Consumption

The 9100 series models running AOS-10 require HPE Aruba Networking Central subscription-based licenses, which are purchased on a per-device basis for APs and gateways. Licenses are available in 1-, 3-, 5-, 7-, and 10-year increments, making it easy to align requirements for HPE AIOps, security, and other desired management features. AOS 10 is included in the subscription.

Warranty

Hardware: 1-year parts/ labor, can be extended with support contract. See https://www.hpe.com/us/en/networking/hpe-aruba-networking-support-services.html for warranty and support information included with your product purchase.

Standard Features

Support

HPE Aruba Networking devices (access points, switches, and gateways) that have an active HPE Aruba Networking Central SaaS subscription are fully supported and include:

- 24x7 priority technical support for troubleshooting
- Software updates and upgrades for HPE Aruba Networking Central and hardware products managed by HPE Aruba Networking Central.

Learn more about our support services:
https://www.hpe.com/us/en/networking/hpe-aruba-networking-support-services.html

Configuration Information

Ordering Information

For complete ordering information, see the HPE Aruba Networking 9100 Series Hybrid Gateways Ordering Guide and the HPE Aruba Networking Central Ordering Guide:
https://www.hpe.com/psnow/doc/a00125615enw?jumpid=in_hpesitesearch

Learn More

HPE Aruba Networking gateways provide high-performance network access, security, and resiliency for the campus and branch across WLAN, LAN, and SD-WAN.

BTO Models

Gateways

Description	SKU
9106	
HPE Aruba Networking 9106 (RW) 2x SFP+ 2x Combo 2x PoE Hybrid Gateway	S5H01A
HPE Aruba Networking 9106 (RW) 2x SFP+ 2x Combo 2x PoE Hybrid Gateway PDU	S5H01A#B2B
HPE Aruba Networking 9106 (RW) 2x SFP+ 2x Combo 2x PoE Hybrid Gateway PDU	S5H01A#B2C
HPE Aruba Networking 9106 (RW) 2x SFP+ 2x Combo 2x PoE Hybrid Gateway 220v	S5H01A#B2E
HPE Aruba Networking 9106 (RW) 2x SFP+ 2x Combo 2x PoE Hybrid Gateway No Loc	S5H01A#AC3
HPE Aruba Networking 9106 (US) 2x SFP+ 2x Combo 2x PoE Hybrid Gateway	S5H02A
HPE Aruba Networking 9106 (JP) 2x SFP+ 2x Combo 2x PoE Hybrid Gateway	S5H03A
HPE Aruba Networking 9106 (IL) 2x SFP+ 2x Combo 2x PoE Hybrid Gateway	S5H04A
HPE Aruba Networking 9106 (EG) 2x SFP+ 2x Combo 2x PoE Hybrid Gateway	S5H05A
9114	
HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway	R9M45A
HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway PDU	R9M45A#B2B
HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway PDU	R9M45A#B2C
HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway 220v	R9M45A#B2E
HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway No Loc	R9M45A#AC3
9114 DC Powered	
HPE Aruba Networking 9114DC 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway	R9M46A

TAA Gateways

Description	SKU
9106 TAA	
HPE Aruba Networking 9106 (RW) 2x SFP+ 2x Combo 2x PoE TAA Hybrid Gateway	S5Q45A
HPE Aruba Networking 9106 (RW) 2x SFP+ 2x Combo 2x PoE TAA Hybrid Gateway PDU	S5Q45A#B2B
HPE Aruba Networking 9106 (RW) 2x SFP+ 2x Combo 2x PoE TAA Hybrid Gateway PDU	S5Q45A#B2C
HPE Aruba Networking 9106 (RW) 2x SFP+ 2x Combo 2x PoE TAA Hybrid Gateway 220v	S5Q45A#B2E
HPE Aruba Networking 9106 (RW) 2x SFP+ 2x Combo 2x PoE TAA Hybrid Gateway No Loc	S5Q45A#AC3
HPE Aruba Networking 9106 (US) 2x SFP+ 2x Combo 2x PoE TAA Hybrid Gateway	S5R48A

Configuration Information

9114 TAA

HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway	R9M47A
HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway PDU	R9M47A#B2B
HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway PDU	R9M47A#B2C
HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway 220v	R9M47A#B2E
HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway No Loc	R9M47A#AC3

9114 TAA DC Powered

Description	SKU
HPE Aruba Networking 9114DC 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway	R9M48A

Configuration Information

CTO Models

Gateways

9114

HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway	R9M45A
HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway PDU	R9M45A#B2B
HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway PDU	R9M45A#B2C
HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway 220v	R9M45A#B2E
HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway No Loc	R9M45A#AC3

9114 DC Powered

HPE Aruba Networking 9114DC 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway	R9M46A

TAA Gateways

9114 TAA

HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway	R9M47A
HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway PDU	R9M47A#B2B
HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway PDU	R9M47A#B2C
HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway 220v	R9M47A#B2E
HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway No Loc	R9M47A#AC3

9114 TAA DC Powered

Description	SKU
HPE Aruba Networking 9114DC 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway	R9M48A

- Includes one DC power supply along with one open slot for redundancy
- Includes 2 post Rackmount Kit
- 4 - Combo 1G SFP ports min=0 \ max=4 SFP Transceivers
- 4 - 10G SFP+ ports min=0 \ max=4 SFP+ Transceivers
- 1U - Height

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
HPE Aruba Networking 1G SFP RJ45 T 100m Cat5e TAA Transceiver	JL747A

Configuration Information

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 LRM 220m OM2 MMF Transceiver	J9152D
HPE Aruba Networking 10G SFP+ LC ER 40km SMF Transceiver	J9153D
HPE Aruba Networking 10G SFP+ LC SR 300m MMF TAA Transceiver	JL748A
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

Gateway Options

Rack Mount Kits

Description	SKU
HPE Aruba Networking X414 1U Universal 4-post Rack Mount Kit	J9583B

India PDU Cable

Description	SKU
HPE Networking 2.0m C13 to C14 PDU India Power Cord	JL671A

Power Options

HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply	JL085A
HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply PDU	JL085A#B2B
HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply PDU	JL085AB2C
HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply 220v	JL085A#B2E
HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply	JL085A#AC3
HPE Aruba Networking CX 6300M 250W 36-72VDC Input Non-PoE Power Supply	JL757A

India PDU Cable

HPE Networking 2.0m C13 to C14 PDU India Power Cord	JL671A

Spares

Rack Mount Kit

Description	SKU
HPE Aruba Networking X414 1U Universal 4-post Rack Mount Kit	J9583B
HPE Aruba Networking 9114-MNT-19 Spare Rack Mount Kit	S0Q21A
HPE Aruba Networking 9114 Spare Fan Tray	S2N64A
HPE Aruba Networking 9106-MNT-19 Spare Rack Mount Kit	S0G31A
HPE Aruba Networking 9106 Spare Power Adapter	S0G32A
HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply	JL085A
HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply PDU	JL085A#B2B

Configuration Information

HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply PDU	JL085A#B2C
HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply 220v	JL085A#B2E
HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply	JL085A#AC3
HPE Aruba Networking CX 6300M 250W 36-72VDC Input Non-PoE Power Supply	JL757A

Software

HPE Aruba Networking Central Subscription

Std (Min 0 // max 1) User Selection (min 0 // max 1)

HPE Aruba Networking 91xx SD-Branch Gateway Foundation 1-year Subscription E-STU	S0B88AAE
HPE Aruba Networking 91xx SD-Branch Gateway Foundation 3-year Subscription E-STU	S0B89AAE
HPE Aruba Networking 91xx SD-Branch Gateway Foundation 5-year Subscription E-STU	S0B90AAE
HPE Aruba Networking 91xx SD-Branch Gateway Foundation 7-year Subscription E-STU	S0B91AAE
HPE Aruba Networking 91xx SD-Branch Gateway Foundation 10-year Subscription E-STU	S0B92AAE
HPE Aruba Networking 91xx SD-Branch Gateway Advanced 1-year Subscription E-STU	S0B98AAE
HPE Aruba Networking 91xx SD-Branch Gateway Advanced 3-year Subscription E-STU	S0B99AAE
HPE Aruba Networking 91xx SD-Branch Gateway Advanced 5-year Subscription E-STU	S0C00AAE
HPE Aruba Networking 91xx SD-Branch Gateway Advanced 7-year Subscription E-STU	S0C01AAE
HPE Aruba Networking 91xx SD-Branch Gateway Advanced 10-year Subscription E-STU	S0C02AAE
HPE Aruba Networking 91xx Gateway WLAN Advanced 1-year Subscription E-STU	S0U91AAE
HPE Aruba Networking 91xx Gateway WLAN Advanced 3-year Subscription E-STU	S0U92AAE
HPE Aruba Networking 91xx Gateway WLAN Advanced 5-year Subscription E-STU	S0U93AAE
HPE Aruba Networking 91xx Gateway WLAN Advanced 7-year Subscription E-STU	S0U94AAE
HPE Aruba Networking 91xx Gateway WLAN Advanced 10-year Subscription E-STU	S0U95AAE
HPE Aruba Networking 91xx Gateway WLAN Advanced Plus Security 1-year Subscription E-STU	S0U96AAE
HPE Aruba Networking 91xx Gateway WLAN Advanced Plus Security 3-year Subscription E-STU	S0U97AAE
HPE Aruba Networking 91xx Gateway WLAN Advanced Plus Security 5-year Subscription E-STU	S0U98AAE
HPE Aruba Networking 91xx Gateway WLAN Advanced Plus Security 7-year Subscription E-STU	S0U99AAE
HPE Aruba Networking 91xx Gateway WLAN Advanced Plus Security 10-year Subscription E-STU	S0V00AAE
HPE Aruba Networking 91xx SD-Branch Gateway Foundation Plus Security 1-year Subscription E-STU	S0B93AAE
HPE Aruba Networking 91xx SD-Branch Gateway Foundation Plus Security 3-year Subscription E-STU	S0B94AAE
HPE Aruba Networking 91xx SD-Branch Gateway Foundation Plus Security 5-year Subscription E-STU	S0B95AAE
HPE Aruba Networking 91xx SD-Branch Gateway Foundation Plus Security 7-year Subscription E-STU	S0B96AAE
HPE Aruba Networking 91xx SD-Branch Gateway Foundation Plus Security 10-year Subscription E-STU	S0B97AAE
HPE Aruba Networking 91xx SD-Branch Gateway Advanced Plus Security 1-year Subscription E-STU	S0C03AAE
HPE Aruba Networking 91xx SD-Branch Gateway Advanced Plus Security 3-year Subscription E-STU	S0C04AAE
HPE Aruba Networking 91xx SD-Branch Gateway Advanced Plus Security 5-year Subscription E-STU	S0C05AAE

Configuration Information

HPE Aruba Networking 91xx SD-Branch Gateway Advanced Plus Security 7-year Subscription E-STU	S0C06AAE
HPE Aruba Networking 91xx SD-Branch Gateway Advanced Plus Security 10-year Subscription E-STU	S0C07AAE
HPE Aruba Networking 91xx Central On-Premises Gateway WLAN Advanced 1-year Subscription E-STU	S6D91AAE
HPE Aruba Networking 91xx Central On-Premises Gateway WLAN Advanced 3-year Subscription E-STU	S6D92AAE
HPE Aruba Networking 91xx Central On-Premises Gateway WLAN Advanced 5-year Subscription E-STU	S6D93AAE
HPE Aruba Networking 91xx Central On-Premises Gateway WLAN Advanced 7-year Subscription E-STU	S6D94AAE
HPE Aruba Networking 91xx Central On-Premises Gateway WLAN Advanced 10-year Subscription E-STU	S6D95AAE
HPE Aruba Networking 91xx Central On-Premises Gateway WLAN Advanced Plus Security 1-year E-STU	S6E01AAE
HPE Aruba Networking 91xx Central On-Premises Gateway WLAN Advanced Plus Security 3-year E-STU	S6E02AAE
HPE Aruba Networking 91xx Central On-Premises Gateway WLAN Advanced Plus Security 5-year E-STU	S6E03AAE
HPE Aruba Networking 91xx Central On-Premises Gateway WLAN Advanced Plus Security 7-year E-STU	S6E04AAE
HPE Aruba Networking 91xx Central On-Premises Gateway WLAN Advanced Plus Security 10-year E-STU	S6E05AAE
HPE Aruba Networking 91xx SD-Branch Gateway Advanced plus Security 1-year Subscription SaaS	S3S06AAS
HPE Aruba Networking 91xx SD-Branch Gateway Advanced plus Security 3-year Subscription SaaS	S3S07AAS
HPE Aruba Networking 91xx SD-Branch Gateway Advanced plus Security 5-year Subscription SaaS	S3S08AAS
HPE Aruba Networking 91xx SD-Branch Gateway Advanced plus Security 7-year Subscription SaaS	S3S09AAS
HPE Aruba Networking 91xx SD-Branch Gateway Advanced plus Security 10-year Subscription SaaS	S3S10AAS
HPE Aruba Networking 91xx SD-Branch Gateway Foundation 1-year Subscription SaaS	S3S11AAS
HPE Aruba Networking 91xx SD-Branch Gateway Foundation 3-year Subscription SaaS	S3S12AAS
HPE Aruba Networking 91xx SD-Branch Gateway Foundation 5-year Subscription SaaS	S3S13AAS
HPE Aruba Networking 91xx SD-Branch Gateway Foundation 7-year Subscription SaaS	S3S14AAS
HPE Aruba Networking 91xx SD-Branch Gateway Foundation 10-year Subscription SaaS	S3S15AAS
HPE Aruba Networking 91xx SD-Branch Gateway Foundation plus Security 1-year Subscription SaaS	S3S16AAS
HPE Aruba Networking 91xx SD-Branch Gateway Foundation plus Security 3-year Subscription SaaS	S3S17AAS
HPE Aruba Networking 91xx SD-Branch Gateway Foundation plus Security 5-year Subscription SaaS	S3S18AAS
HPE Aruba Networking 91xx SD-Branch Gateway Foundation plus Security 7-year Subscription SaaS	S3S19AAS

Configuration Information

HPE Aruba Networking 91xx SD-Branch Gateway Foundation plus Security 10-year Subscription SaaS	S3S20AAS
HPE Aruba Networking 91xx SD-Branch Gateway Advanced 1-year Subscription SaaS	S3S21AAS
HPE Aruba Networking 91xx SD-Branch Gateway Advanced 3-year Subscription SaaS	S3S22AAS
HPE Aruba Networking 91xx SD-Branch Gateway Advanced 5-year Subscription SaaS	S3S23AAS
HPE Aruba Networking 91xx SD-Branch Gateway Advanced 7-year Subscription SaaS	S3S24AAS
HPE Aruba Networking 91xx SD-Branch Gateway Advanced 10-year Subscription SaaS	S3S05AAS
HPE Aruba Networking 91xx Gateway WLAN Advanced 1-year Subscription SaaS	S3S36AAS
HPE Aruba Networking 91xx Gateway WLAN Advanced 3-year Subscription SaaS	S3S37AAS
HPE Aruba Networking 91xx Gateway WLAN Advanced 5-year Subscription SaaS	S3S38AAS
HPE Aruba Networking 91xx Gateway WLAN Advanced 7-year Subscription SaaS	S3R98AAS
HPE Aruba Networking 91xx Gateway WLAN Advanced 10-year Subscription SaaS	S3R99AAS
HPE Aruba Networking 91xx Gateway WLAN Advanced Plus Security 1-year Subscription SaaS	S3S00AAS
HPE Aruba Networking 91xx Gateway WLAN Advanced Plus Security 3-year Subscription SaaS	S3S01AAS
HPE Aruba Networking 91xx Gateway WLAN Advanced Plus Security 5-year Subscription SaaS	S3S02AAS
HPE Aruba Networking 91xx Gateway WLAN Advanced Plus Security 7-year Subscription SaaS	S3S03AAS
HPE Aruba Networking 91xx Gateway WLAN Advanced Plus Security 10-year Subscription SaaS	S3S04AAS

Technical Specifications

HPE Aruba Networking 9106 and 9114 Series Hybrid Gateways		
Performance and Capacity	**9106**	**9114**
Firewall throughput (Gbps)	10	20
Encrypted throughput GRE (Gbps)	10	20
Encrypted throughput AES-CBC-128 (Gbps)	10	20
Encrypted throughput AES-CBC-256 (Gbps)	10	20
Encrypted throughput AES-GCM-128 (Gbps)	10	20
Encrypted throughput AES-GCM-256 (Gbps)	10	20
AOS-10 Specifications	**9106**	**9114**
Cluster Size	6	6
Maximum Clients (User MAC)	8K	10K
Maximum Clients per Cluster	64K	80K
Max Devices (APs)	2K	4K
Max Devices (APs) per Cluster	4K	8K
Maximum Datapath / Firewall sessions	2M	2M
Concurrent IPSec Tunnels	16K	32K
Total Tunnels *	20K	40K
ARP	16K	20K
Max DHCP Clients	16K	32K
Maximum Bridge Table	256K	512K
Max IPv4 Static Routes	2K	2K
IPV6 Neighbours	32K	40K
Maximum Routes	32K	12K
Access Control Lists	2678	2678
Configurable Bandwidth Contracts	1K	1K
AOS-8 Specifications	**9106**	**9114**
Cluster Size	4	Not Supported
Maximum APs (Campus or Remote)	256	
Maximum concurrent users/devices	8K	
Maximum VLANs (L2)	4K	
Maximum VLANs (L3) IPv4	2K	
Maximum VLANs (L3) IPv6	128	
Static Routes IPv4	1K	
Static Routes IPv6	578	
IPv6 neighbors	32K	
OSPF Routes	16K	
Number of Bandwidth Contracts	1K	
Maximum Bridge Entries/MAC Table size	132K	
Maximum BSSIDs	4K	
Maximum Datapath/Firewall sessions	2M	

Technical Specifications

Concurrent GRE tunnels	8K	
Concurrent IPsec sessions (VPN Scale)	8K	
Total ACE Entries	16K	
Number of ACLs	2678	
Number of Roles	1K	
Internal DB Limit	8K	
ARP Entries	16K	
Max DHCP Clients	4K	
Interfaces and Indicators	**9106**	**9114**
Form Factor	Desktop	1 RU
Interface	2x SFP+ 2x Combo (SFP/1G Copper) 2x GbE	4x SFP+ 4x Combo (SFP/1G Copper)
PoE Budget	60W	-
Out of Band Management Port	1x RJ45	1x RJ45
Console port	USB-C RJ45	USB-C RJ45
USB 3.0 Type-A	2	2
LCD Display	1	1
Power LED	Yes	Yes
Status LED	Yes	Yes
Peered LED (Reserved for Future Use)	TBD	TBD
Expansion Slot (Reserved for Future Use)	-	1
Power Supply Slots	-	1 + Redundant
Fan Trays	-	3
Physical	**9106**	**9114**
Dimensions (HxWxD)	43.7 mm (H) x 294.8 mm (W) x 201.05 mm (D)	43.7 mm (H) x 442 mm (W) x 351 mm (D)
Weight	2.305 Kg	6.2 Kg
MTBF (Hours at 25C with Fans and PSU)	236,076	280,165
Enivronmental	**9106**	**9114**
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)	0 °C to 40 °C (32 °F to 104 °F)
Storage Temperature	–40 °C to 70 °C (–40 °F to 158 °F)	–40 °C to 70 °C (–40 °F to 158 °F)
Humidity/Storage Humidity	10% to 90% (RH)/10% to 95% (RH), non-condensing	10% to 90% (RH)/10% to 95% (RH), non-condensing
Operating Altitude	10,000 Feet	10,000 Feet
Acoustic Noise1	54.6 dBA	69 dBA
Maximum Heat Dissipation (BTU/hour)	290	631
Maximum Power Consumption	150W	185W
Power Source	165W	250-watt power supply

Technical Specifications

Power Supply Certifications	**9106**	**9114**
Input voltage range	100 VAC to 240 VAC	100 VAC to 240 VAC
Output Voltage	54 V	12V
Input frequency	50 to 60 Hz	50 to 60 Hz
AC line input current (steady state)	2.5 A	2.2A-0.9A
Operating Temperature	0 to 40°C	0 to 60°C
Cooling	-	1 fan
Weight	0.5 +/– 0.02 kg	0.9kg
Regulatory and Safety Compliance	**9106**	**9114**
Minimum Supported Software Version	AOS 8.13.1 AOS 10.7.2.1	AOS 10.5
Regulatory SKU information	ARCN9106	ARCN9114
Safety Certifications	CSA/UL 62368-1:2014	CSA/UL 62368-1:2014
	CSA/UL 62368-1:2019	CSA/UL 62368-1:2019
	EN/IEC 62328-1, 2nd edition	EN/IEC 62328-1, 2nd edition
	EN/IEC 62368-1, 3rd edition	EN/IEC 62368-1, 3rd edition
Electromagnetic Emissions Certifications	FCC Part 15, Class B	FCC Part 15, Class A
	EN55032, Class B	EN55032, Class A
	ICES-003, Class B	ICES-003, Class A
	CNS13438, Class B	CNS13438, Class A
	EN55035	EN55035
	EN 300 386	EN 300 386
	KS C 9832:2019	KS C 9832:2019
	KS C 9835:2019	KS C 9835:2019
	AS/NZS CISPR32 Class B	AS/NZS CISPR32 Class A
	VCCI Class B	VCCI Class A

Summary of Changes

Date	Version History	Action	Description of Change
06-Jul-2026	Version 11	Changed	Internal QS Updates: Survey Text link and portrait brand format update.
05-Jan-2026	Version 10	Changed	Configuration Information section was updated. New brand applied.
02-Sep-2025	Version 9	Changed	Overview, Standard Features, and Technical Specifications sections were updated.
21-Jan-2025	Version 8	Changed	Standard Features and Technical Specifications sections were updated.
16-Dec-2024	Version 7	Changed	Standard Features and Configuration Information sections were updated.
18-Nov-2024	Version 6	Changed	Configuration Information and Technical Specifications sections were updated.
03-Sep-2024	Version 5	Changed	Configuration Information section was updated.
03-Jun-2024	Version 4	Changed	Configuration Information section was updated.
01-Apr-2024	Version 3	Changed	Configuration Information and Technical Specifications sections were updated.
04-Mar-2024	Version 2	Changed	Configuration Information section was updated.
06-Nov-2023	Version 1	New	New QuickSpecs

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