Overview

HPE Aruba Networking 9100 Series Hybrid Gateways

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 ArubaOS 10 and HPE Aruba Networking Central, help drive efficient IT operations.

The HPE Aruba Networking 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 HPE ArubaOS 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 HPE ArubaOS 10 architecture provides connectivity for up to 4K APs and 10K clients
- Streamlined cloud-based management and control with HPE Aruba Networking Central
- Dynamic segmentation for automated role-based policy enforcement across users, devices, and IoT
- Always-on high availability with live upgrades, clustering, and N+1 or NxN redundancy
- High-speed wired connectivity with 10GbE fiber ports for up to 20Gbps throughput
- Zero-touch provisioning simplifies deployment at branch sites

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 HPE ArubaOS 10 architecture provides the HPE Aruba Networking 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.

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.

Standard Features

Next Generation 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)	• Cloud (SaaS)	• Cloud (SaaS) • On-premises

Optimize With HPE AOS 10

Cloud-native HPE ArubaOS 10 (AOS 10) is the distributed network operating system working with HPE Aruba Networking Central that acts as the control layer for HPE Aruba Networking access points and gateways. With its flexible architecture, IT can deliver reliable and secure wireless connectivity for small offices, mid-sized branches, large campus environments, and remote workers. Working in tandem with cloud-native HPE Aruba Networking Central, HPE ArubaOS 10 provides the WLAN management and control to deliver greater scalability, security, and AI-powered optimization. Using HPE ArubaOS 10 together with cloud-based Central for management and orchestration reduces processing required by the on-site gateways to manage clients and access points. Enterprises can then optimize gateway deployments with fewer gateways in very large environments with thousands of APs and devices.

SD-Branch Gateway Support In HPE ArubaOS 10

The HPE Aruba Networking EdgeConnect SD-Branch solution is included as part of HPE ArubaOS 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.

Enhanced Wireless Gateway Support In HPE ArubaOS 10

The HPE Aruba Networking 9100 Series Hybrid Gateways running HPE ArubaOS 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

Standard Features

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.

Learn more about HPE ArubaOS 10 here: **https://www.arubanetworks.com/resource/aos-10-at-a-glance/**

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. The HPE Aruba Networking 9100 Series Hybrid Gateways is supported by HPE Aruba Networking Central cloud-based version only and requires a HPE Aruba Networking Central subscription. See the HPE Aruba Networking Central Ordering Guide here:
https://www.arubanetworks.com/resource/hpe-aruba-networking-central-saas-subscription-ordering-guide/

Simplified, Flexible Consumption

The HPE Aruba Networking 9100 Series Hybrid Gateways requires HPE Networking Aruba 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. HPE ArubaOS 10 is included in the subscription. Learn more about HPE Aruba Networking Central here:
https://www.arubanetworks.com/products/network-management-operations/central/

Warranty

Hardware: 1-year parts/ labor, can be extended with support contract. See **https://www.arubanetworks.com/support-services/** product-warranties/ for warranty and support information included with your product purchase.

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.arubanetworks.com/support-services/**

Configuration Information

Ordering Information

For complete ordering information, see the HPE Aruba Networking 9100 Series Hybrid Gateways Ordering Guide and the HPE Aruba Central Ordering Guide:
https://www.arubanetworks.com/resource/hpe-aruba-networking-central-saas-subscription-ordering-guide/

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. Find out **more**.

BTO Models

Gateways

9106

Rule #	Description	SKU
1, 2, 4, 5, 7, 8	HPE Aruba Networking 9106 2x SFP+ 2x Combo 2x Hybrid Gateway • Includes one AC power supply and cord • Includes 2 post Rackmount Kit • 2 - Combo 1G SFP ports min=0 \ max=2 SFP Transceivers • 2 - 10G SFP+ ports min=0 \ max=2 SFP+ Transceivers • 1U - Height	S0B85A
	HPE Aruba Networking 9106 2x SFP+ 2x Combo 2x Hybrid Gateway PDU • C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent)	S0B85A#B2B
	HPE Aruba Networking 9106 2x SFP+ 2x Combo 2x Hybrid Gateway PDU • C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent)	S0B85A#B2C
	HPE Aruba Networking 9106 2x SFP+ 2x Combo 2x Hybrid Gateway 220v • HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A)	S0B85A#B2E
	HPE Aruba Networking 9106 2x SFP+ 2x Combo 2x Hybrid Gateway No Loc • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	S0B85A#AC3

9114

1, 3, 4, 6, 7, 8	HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway • Includes one AC power supply and cord 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	R9M45A
	HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway PDU • C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent)	R9M45A#B2B
	HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway PDU • C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent)	R9M45A#B2C
	HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway 220v • HPE 2.3m C13 to NEMA 6-15P Pwr. Cord (J9936A)	R9M45A#B2E
	HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway No Loc • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	R9M45A#AC3

9114 DC Powered

1, 3, 4, 6	HPE Aruba Networking 9114DC 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway • 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	R9M46A

Configuration Information

- 1U - Height

TAA Gateways

Rule #	Description	SKU
	9106 TAA	
1, 2, 4, 5, 7, 8	HPE Aruba Networking 9106 2x SFP+ 2x Combo 2x TAA Hybrid Gateway • Includes one AC power supply and cord • Includes 2 post Rackmount Kit • 2 - Combo 1G SFP ports min=0 \ max=2 SFP Transceivers • 2 - 10G SFP+ ports min=0 \ max=2 SFP+ Transceivers • 1U - Height	S0B86A
	HPE Aruba Networking 9106 2x SFP+ 2x Combo 2x TAA Hybrid Gateway PDU • C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent)	S0B86A#B2B
	HPE Aruba Networking 9106 2x SFP+ 2x Combo 2x TAA Hybrid Gateway PDU • C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent)	S0B86A#B2C
	HPE Aruba Networking 9106 2x SFP+ 2x Combo 2x TAA Hybrid Gateway 220v • HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A)	S0B86A#B2E
	HPE Aruba Networking 9106 2x SFP+ 2x Combo 2x TAA Hybrid Gateway No Loc • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	S0B86A#AC3
	9114 TAA	
1, 3, 4, 6, 7, 8	HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway • Includes one AC power supply and cord 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	R9M47A
	HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway PDU • C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent)	R9M47A#B2B
	HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway PDU • C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent)	R9M47A#B2C
	HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway 220v • HPE 2.3m C13 to NEMA 6-15P Pwr.. Cord (J9936A)	R9M47A#B2E
	HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway No Loc • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	R9M47A#AC3

9114 TAA DC Powered

Rule #	Description	SKU
1, 3, 4, 6	HPE Aruba Networking 9114DC 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway	R9M48A

Notes:

- 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

Configuration Rules

Rule #	Description	SKU
1	The following SFP Transceivers install into this Hybrid Gateway: (Use BTO only when adding to switch)	
	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

Configuration Information

2	The following SFP+ Transceivers install into this Hybrid Gateway: Use BTO only when adding to switch	
	HPE Aruba Networking 1G SFP LC LX 10km SMF TAA Transceiver	JL746A
3	The following SFP Transceivers install into this Hybrid Gateway: (Use 0D1 or B01 if switch is CTO) - if applicable	
	HPE Aruba Networking 1G SFP RJ45 T 100m Cat5e TAA Transceiver	JL747A
	HPE Aruba Networking 1G SFP RJ45 T 100m Cat5e Transceiver	J8177D
4	The following SFP+ Transceivers install into this Hybrid Gateway: (Use 0D1 or B01 if switch is CTO) - if applicable	
	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 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
6	The following SFP+ Transceivers install into this Hybrid Gateway: (Use 0D1 or B01 if switch is CTO) - if applicable	
	HPE Aruba Networking 10G SFP+ LC SR 300m MMF TAA Transceiver	JL748A
7	Localization (Wall Power Cord) required on orders without B2B, B2C, and AC3 (PDU Power Cord) . (See Localization Menu) REMARK: When Hybrid Gateways are Factory Racked, Then B2B, or B2C should be the Defaulted Power Cable option on the Hybrid Gateway.	
8	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/Gateway to PDU Power Cord - B2B in NA, Mexico, Taiwan, and Japan or B2C ROW. (OCA Default B2B or B2C for Rack Level CTO)
  - Switch/Router/Power Supply/Gateway to Wall Power Cord - Localized Option (OCA Default for BTO)
  - High Volt Switch/Router/Power Supply/Gateway to Wall Power Cord - B2E Option. (Offered only in North America, Mexico, Taiwan, and Japan)
  - No Localized Power Cord Selected - AC3 Option
- OCA Only Model Selection Form - HPE Aruba Networks > Gateways and Controllers > Gateways 9100 Series Hybrid Gateway

Configuration Information

CTO Models

Gateways

9114

Rule #	Description	SKU
1, 3, 4, 6, 7, 8, 9	HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway	R9M45A
	• Includes one AC power supply and cord 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	
	HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway PDU	R9M45A#B2B
	• C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent)	
	HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway PDU	R9M45A#B2C
	• C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent)	
	HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway 220v	R9M45A#B2E
	• HPE 2.3m C13 to NEMA 6-15P Pwr. Cord (J9936A)	
	HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway No Loc	R9M45A#AC3
	• No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	

9114 DC Powered

Rule #	Description	SKU
1, 3, 4, 6, 9	HPE Aruba Networking 9114DC 4x SFP+ 4x Combo 1x Expansion Slot Hybrid Gateway	R9M46A
	• 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	

TAA Gateways

9114 TAA

Rule #	Description	SKU
1, 3, 4, 6, 7, 8, 9	HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway	R9M47A
	• Includes one AC power supply and cord 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	
	HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway PDU	R9M47A#B2B
	• C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent)	
	HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway PDU	R9M47A#B2C
	• C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent)	
	HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway 220v	R9M47A#B2E
	• HPE 2.3m C13 to NEMA 6-15P Pwr.. Cord (J9936A)	
	HPE Aruba Networking 9114 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway No Loc	R9M47A#AC3
	• No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	

9114 TAA DC Powered

Rule #	Description	SKU
1, 3, 4, 6, 9	HPE Aruba Networking 9114DC 4x SFP+ 4x Combo 1x Expansion Slot TAA Hybrid Gateway	R9M48A
Notes:	• Includes one DC power supply along with one open slot for redundancy • Includes 2 post Rackmount Kit	

Configuration Information

- 4 - Combo 1G SFP ports min=0 \ max=4 SFP Transceivers
- 4 - 10G SFP+ ports min=0 \ max=4 SFP+ Transceivers
- 1U - Height

Configuration Rules

Rule #	Description	SKU
1	The following SFP Transceivers install into this Hybrid Gateway: (Use 0D1 or B01 if switch is CTO) - if applicable	
	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
3	The following SFP Transceivers install into this Hybrid Gateway: (Use 0D1 or B01 if switch is CTO) - if applicable	
	HPE Aruba Networking 1G SFP RJ45 T 100m Cat5e TAA Transceiver	JL747A
	HPE Aruba Networking 1G SFP RJ45 T 100m Cat5e Transceiver	J8177D
4	The following SFP+ Transceivers install into this Hybrid Gateway: (Use 0D1 or B01 if switch is CTO) - if applicable	
	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 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
6	The following SFP+ Transceivers install into this Hybrid Gateway: (Use 0D1 or B01 if switch is CTO) - if applicable	
	HPE Aruba Networking 10G SFP+ LC SR 300m MMF TAA Transceiver	JL748A
7	Localization (Wall Power Cord) required on orders without B2B, B2C, and AC3 (PDU Power Cord) . (See Localization Menu) REMARK: When Hybrid Gateways are Factory Racked, Then B2B, or B2C should be the Defaulted Power Cable option on the Hybrid Gateway.	
8	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)	
9	Factory racked CTO Base Model must integrate(#0D1) to the Rack.	

Notes:

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

Configuration Information

Transceivers

SFP

Rule #	Description	SKU
	HPE Aruba Networking 1G SFP RJ45 T 100m Cat5e Transceiver	J4858D
	HPE Aruba Networking 1G SFP LC SX 500m MMF TAA Transceiver	J4859D
	HPE Aruba Networking 1G SFP LC SX 500m OM2 MMF Transceiver	JL745A
	HPE Aruba Networking 1G SFP LC LX 10km SMF Transceiver	JL746A
	HPE Aruba Networking 1G SFP LC SX 500m MMF TAA Transceiver	JL747A
	HPE Aruba Networking 1G SFP LC LX 10km SMF TAA Transceiver	J8177D

SFP+

Rule #	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 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver	JL563B
	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

System (std 0 // max 1) User Selection (min 0 // max 1) per gateway

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

Configuration Rules

Rule #	Description	SKU
1	If the switch will be factory racked into an HPE Universal Rack, then (Min 1) of the 4 Post Rack Mount kit is required and should nest to Rack.	

India PDU Cable

9114 System (std 0 // max 1) User Selection (min 0 // max 1) per AC gateway

Rule #	Description	SKU
1	HPE Networking 2.0m C13 to C14 PDU India Power Cord • C13 India PDU Cable for Factory Racked Systems Only	JL671A
Notes:	In the bom, this pdu cable needs to be sequenced above any additional Power Supply	

Power Options

9114 System (std 1 // max 2) User Selection (min 0 // max 1) per gateway

1, 2, 3	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
2	HPE Aruba Networking CX 6300M 250W 36-72VDC Input Non-PoE Power Supply	JL757A

Configuration Rules

Rule #	Description	SKU
1	Localization (Wall Power Cord) required on orders without B2B, B2C, (PDU Power Cord) or B2E. (See Localization Menu)	
2	Compatible with the following 9114 Gateways: R9M45A, R9M46A, R9M47A, R9M48A.	
3	Unbuildable/FAN required, generates CFGU: If order is quoted for India and contains "#B2C" Option, then Display the following:	

Configuration Information

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/Gateway to PDU Power Cord - B2B in NA, Mexico, Taiwan, and Japan or B2C ROW. (OCA Default B2B or B2C for Rack Level CTO)
- Switch/Router/Power Supply/Gateway to Wall Power Cord - Localized Option (OCA Default for BTO)
- High Volt Switch/Router/Power Supply/Gateway to Wall Power Cord - B2E Option. (Offered only in North America, Mexico, Taiwan, and Japan)
- No Localized Power Cord Selected - AC3 Option
- OCA Blue Note: If you want the Locking Power Cord (J9955A) L6-20P, then you must order this power cord through the Accessories tab

India PDU Cable

9114 System (std 0 // max 1) User Selection (min 0 // max 1) per JL085A

1, 2	HPE Networking 2.0m C13 to C14 PDU India Power Cord	JL671A

Configuration Rules

Rule #	Description	SKU
1	This cable is intended for India use only. Typically power cord is ordered when power supply option #AC3 is selected.	
2	If this cord is selected, then it needs to be integrated into the power supply JL085A, when the gateway is Factory Racked	

Spares

Rack Mount Kit

Std (Min 0 // max 99) User Selection (min 0 // max 99)

Rule #	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
3	HPE Aruba Networking 9114 Spare Fan Tray	S2N64A
2	HPE Aruba Networking 9106-MNT-19 Spare Rack Mount Kit	S0G31A
2	HPE Aruba Networking 9106 Spare Power Adapter	S0G32A
1, 3	HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply • Uses 1 x C13, 250w	JL085A
	HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply PDU • C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A)	JL085A#B2B
	HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply PDU • C13 PDU Jumper Cord (ROW) (J9944A)	JL085A#B2C
	HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply 220v • HPE 2.5m C13 to NEMA 6-20P Pwr. Cord (JL336A)	JL085A#B2E
	HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	JL085A#AC3

Configuration Information

3	HPE Aruba Networking CX 6300M 250W 36-72VDC Input Non-PoE Power Supply • DC supply, comes with DC power cable, only mix with AC PSU JL085A 250W	JL757A

Configuration Rules

Rule #	Description
1	Localization (Wall Power Cord) required on orders without B2B, B2C, (PDU Power Cord) or B2E. (See Localization Menu)
2	Compatible with the following 9106 Gateways: S0B85A, S0B86A
3	Compatible with the following 9114 Gateways: R9M45A, R9M46A, R9M47A, R9M48A

Notes:

- Drop down under power supply should offer the following options and results:
  - Switch/Router/Gateway to PDU Power Cord - B2B in NA, Mexico, Taiwan, and Japan or B2C ROW. (OCA Default B2B or B2C for Rack Level CTO)
  - Switch/Router/Power Supply/Gateway to Wall Power Cord - Localized Option (OCA Default for BTO)
  - High Volt Switch/Router/Power Supply/Gateway to Wall Power Cord - B2E Option. (Offered only in North America, Mexico, Taiwan, and Japan)
  - No Localized Power Cord Selected - AC3 Option
- OCA Blue **Notes:** If you want the Locking Power Cord (J9955A) L6-20P, then you must order this power cord through the Accessories tab

Software

HPE Aruba Networking Central Subscription

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

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

Configuration Information

2	HPE Aruba Networking 91xx SD-Branch Gateway Advanced Plus Security 7-year Subscription E-STU	S0C06AAE
2	HPE Aruba Networking 91xx SD-Branch Gateway Advanced Plus Security 10-year Subscription E-STU	S0C07AAE

Configuration Rules

Rule #	Description
2	Add the Central Cloud Skus to the Aruba Catalog as Standalone: Aruba > Network Management > Central > Cloud Services

Technical Specifications

HPE Aruba Networking 9106 and 9114 Series Hybrid Gateways Technical Specifications		
	9106 Series Hybrid Gateway	**9114 Series Hybrid Gateway**
Performance and Capacity		
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
Cluster size	6	6
Maximum clients (User MAC)	8K	10K
Maximum clients per cluster	32K	40K
Max devices (APs) per gateway	2K	4K
Max devices (APs) per cluster	4K	8K
Maximum data path/ 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 neighbors	32K	40K
Maximum routes	32K	12K
Access lists	2678	2678
Configurable bandwidth contracts	1K	1K
Interfaces and Indicators		
Form factor	Desktop	1 RU
Interface	2x SPF+ 2x Combo (SFP/1G Copper) 2x 1 GbE	4x SFP+ 4x Combo (SFP/1GbE 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	1	2
LCD Display	-	1
Power LED	Yes	1 + Redundant
Status LED	Yes	3
Gateway LED	Yes	
Peered LED (reserved for future use)	TBD	TBD
Expansion slot (reserved for future use)	-	1
Power supply slots	-	1 + Redundant
Fan trays	-	3

Technical Specifications

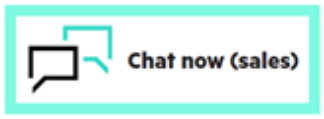
Physical		
Dimensions (H x W x D)	43.7 mm (H) x 294.8 mm (W) x 201.05mm (D)	43.7 mm (H) x 442mm (W) x 351 mm (D)
Weight	2.305 kg	6.2Kg
MTBF (Hours At 25C With Fans And PSU)	236076	280165
Environmentals		
Operating temperature	0 °C to 40 °C (32 °F to 104 °F)	0 °C to 40 °C (32 °F to 104 °F)
Storage temperature	–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 noise[1]	54.6 dBA	61.8 dBA
	Notes: [1]Sound power per ETSI 300 753 in accordance with ISO 7779	
Maximum heat dissipation (BTU/hour)	290	631
Maximum power consumption	150W	185W
Power source	165W	250-watt power supply
Power Supply Certifications		
Input voltage range	100 VAC to 240 VAC	100 VAC to 240 VAC
Output voltage	54V	12V
Input frequency	50 to 60 Hz	50 to 60 Hz
AC line input current (steady state)	2.5A	2.2A-0.9A
Operating temperature	0 to 40C	0 to 60C
Cooling	-	1 fan
Weight	0.5 +/- 0.02 kg	0.9kg
Regulatory and Safety Compliance		
Minimum Supported Software Version	AOS 10.6	HPE ArubaOS 10.5
Regulatory SKU information	ARCN9106	ARCN9114
Safety certifications	CSA/UL 62368-1:2014 CSA/UL 62368-1:2019 EN/IEC 62328-1, 2nd edition EN/IEC 62368-1, 3rd edition	CSA/UL 62368-1:2014 CSA/UL 62368-1:2019 EN/IEC 62328-1, 2nd edition EN/IEC 62368-1, 3rd edition
Electromagnetic emissions certifications	FCC Part 15, Class B EN55032, Class B ICES-003, Class B CNS13438, Class B EN55035 EN 300 386 KS C 9832:2019 KS C 9835:2019 AS/NZS CISPR32 Class B VCCI Class B	FCC Part 15, Class A EN55032, Class A ICES-003, Class A CNS13438, Class A EN55035 EN 300 386 KS C 9832:2019 KS C 9835:2019 AS/NZS CISPR32 Class A VCCI Class A

Summary of Changes

Date	Version History	Action	Description of Change
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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