Data sheet

HPE Aruba Networking 9100 Series Hybrid Gateways

HPE Aruba Networking 9106 (RW) 2x SFP+ 2x Combo 2x PoE Hybrid Gateway (S5H01A)



What's new

- Versatile scalable platform for cloud-based wireless gateway, SD-Branch device, or VPN concentrator use cases. The latest 9106 models also support AOS-8 as a mobility controllers for WLAN services.
- HPE Aruba Networking Central provides IT operational efficiency with unified cloud-based management and control of wired, wireless, and SD-WAN.
- Scales to meet medium branch, large branch and small campus needs supporting up to 4K APs and 10K clients.
- High-speed wired connectivity with 10 GbE fiber ports for up to 20 Gbps throughput.
- Dynamic segmentation for automated role-based policy

Overview

The HPE Aruba Networking 9100 Series Hybrid Gateways is a cloud-optimized edge appliance designed to securely and seamlessly extend enterprise services to medium branch, large branch and small campus networks. Using cloud architecture scale and efficiency together with intelligent edge device security and performance capabilities, the 9100 Hybrid Gateway delivers scalable, high-performance Wi-Fi with enhanced security to the edge.

This purpose-built high-performance edge appliance delivers seamless roaming, 24/7 reliability, and always-on connectivity - even during upgrades. Intelligent automation, AI insights, and unified infrastructure management, delivered by AOS-10 and HPE Aruba Networking Central, simplify and power IT operations. This versatile gateway provides advanced wireless capabilities, intelligent routing with both wireless and wired tunnel orchestration, and automated and unified role-based policy enforcement for users and IoT across LAN, WAN, and SD-WAN.

enforcement across users, devices, and IoT.

- Always-on high availability with live upgrades, clustering, and redundancy.

Features

Enterprise-class Performance

HPE Aruba Networking 9100 Series Hybrid Gateways are a cloud-optimized edge appliance designed to securely and seamlessly extend enterprise services to medium branch, large branch and small campus networks.

Designed to scale up to 4K devices (APs) and 10K clients with seamless roaming for latency-sensitive applications. Compact 9106 model suitable for smaller deployments with support for up to 2K devices and 8K clients.

Supports redundancy, clustering, and live upgrades. Multiple gateways can be clustered for enhanced resiliency.

High-speed wired connectivity with 10 GbE fiber ports for up to 20 Gbps throughput.

Versatile and scalable platform can act 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.

Unified Security For Branch and Campus

HPE Aruba Networking 9100 Series Hybrid Gateways deliver 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.

Offers enhanced security with dynamic segmentation to nearly 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 improves performance and usage policies for over 3,800 applications.

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.

Network Operations and Management

The HPE Aruba Networking 9100 Series Hybrid Gateways is supported by HPE Aruba Networking Wireless Operating System (AOS-10) which 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.

The latest 9106 models are also supported by HPE Aruba Networking Wireless Operating System (AOS-8) enabling them to act as mobility controllers providing WLAN services and offering the flexibility to upgrade to AOS-10.

Intelligent automation, AI insights, and unified infrastructure management, delivered by AOS-10 and HPE Aruba Networking Central, simplify and power IT operations.

Zero Touch Provisioning simplifies deployment at branch sites that have few or no local IT resources.

Technical specifications	HPE Aruba Networking 9106 (RW) 2x SFP+ 2x Combo 2x PoE Hybrid Gateway
Product Number	S5H01A
Ports	1x RJ45 (Management port); USB-C, RJ45 (Console port); 2x 10GbE SFP+ 2x Combo (SFP/1GbE copper) 2x GbE 60W PoE
Regulatory	CSA/UL 62368-1:2014 CSA/UL 62368-1:2019 EN/IEC 62328-1, 2nd edition EN/IEC 62368-1, 3rd edition 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;
Warranty	Hardware: 1-year parts/labor, can be extended with support contract. WLAN Gateway Software: 90 days, can be extended with support contract. See the warranty duration.
Heat dissipation	290 BTU/Hour
Input voltage	100 VAC to 240 VAC
Power consumption	150W
Mounting	2-Post Rackmount
Differentiator	Includes one AC power supply and cord Includes 2 post Rackmount Kit 2 - Combo 1G SFP ports 2 - 10G SFP+ ports 2 - GbE ports (60 W PoE Budget) 1U - Height

HPE Aruba Networking Services

HPE Aruba Networking services simplify and accelerate the network technology lifecycle, enabling your network to scale with better predictability and cost-effectiveness. Whether you operate your own network and need to improve your IT efficiencies, or you want to offload some of the burden, we have the services you need to reach your goals.

Learn more about what HPE Services - Aruba Networking has to offer at: hpe.com/edge/services

Support Services

Our support portfolio provides the essential support elements as well as proactive and preventive features to help you improve your team's productivity and get the most from your network. Our support customers benefit from faster issue resolution, simplified operations and efficiencies, and reduced network issues.

Professional Services

With deep intellectual capital and purpose-built tools, our team delivers a range of standard and custom professional services designed to accelerate your value from HPE Aruba Networking technology.

Project based services include:

— Planning, audit, and assessment
— Architecture review and design
— Deployment, migration, and knowledge transfer

Annual subscription services include:

— Network optimization
— Intelligent Operations
— Customer Experience Management

Our Education Services allow your team to come up to speed quickly.

GreenLake for Networking

Deliver innovative business outcomes by leveraging new ways to consume, deploy and manage networks.

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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