



HPE Aruba Networking EC-S-P SD-WAN Gateway

Product overview

The HPE Aruba Networking EC-S-P SD-WAN Gateway is a compact form factor thin edge branch gateway appliance that serves to build an SD-WAN fabric using zero touch provisioning. It supports Multiprotocol Label Switching (MPLS), 4G/5G/LTE, internet-based hybrid WAN datapath, and a control plane that is automated and secured by the HPE Aruba Networking SD-WAN Orchestrator centralized management software—providing policy-based virtual network segmentation and acceleration of on-premises and SaaS cloud applications.

Key features of the HPE Aruba Networking EC-S-P SD-WAN Gateway include compact size, quiet operations, flexible mounting options, 8x RJ45 10/100/1000 Mbps ports plus 4x 1/10 Gbps SFP+ ports (pluggable). Additional features include high availability through optional dual redundant power supply and built-in storage redundancy, making it an ideal appliance for large branch and remote office environments with typical WAN bandwidth from 10 Mbps to 3 Gbps.

Table 1. Technical specifications

HPE Aruba Networking EC-S-P SD-WAN Gateway	
Capacity	
WAN bandwidth capacity (all features + encryption)	10 to 3000 Mbps
Simultaneous connections	256,000
Recommended WAN optimization up to	500 Mbps
Resiliency	
Drives	SSD—dual
Power supplies	Single and dual redundant options; Both AC and DC
Network	WAN link redundancy supported through business intent overlays with multiple link bonding options; LAN-side protection includes VRRP and BGP; Multiple IPSLA options included
RAM	ECC memory
MTBF	177,726 hours (20 years)
Security	
Disk encryption	128-bit AES
Network encryption	IPSec (256-bit AES)
Connectivity	
LAN/WAN Ethernet	8x 10/100/1000 (4 LAN / 4 WAN) as per IEEE 802.3i, 802.3u, 802.3ab, 802.1Q 4x 1/10 Gbps Ethernet SFP+ fiber data ports (2 LAN / 2 WAN) as per IEEE 802.3z, 802.3ae, 802.1Q
Management	2x 10/100/1000; console port
Deployment	
In-line router mode	In-line as next-hop gateway between L2 switch and WAN router or broadband internet modem for zero touch provisioning, with WAN hardening or zone-based stateful firewall
Power	
AC requirement	100 VAC–240 VAC / 47 Hz–63 Hz/111W
AC power supplies	Single or dual
DC requirement	–48V/103W
DC power supplies	Single or dual

Table 1. Technical specifications (continued)

HPE Aruba Networking EC-S-P SD-WAN Gateway	
Dimensions	
Height	1.7 in (44 mm)
Width	17.2 in (438 mm)
Depth	16.5 in (420 mm)
Weight	18.14 lb (8.23 kg)
Regulatory	
EMC	FCC Part 15 Class A, EN 55024/55032/55035 Class A, VCCI Class A, EN 61000-3-2/3-3
Safety	UL/CB 60950-1/62368-1, EN 60950/62368
Environmental	
Temperature (operating)	0°C to 40°C (32°F to 104°F)
Temperature (storage)	–40°C to 65°C (–40°F to 149°F)
Humidity (operating)	8%–90% relative humidity, non-condensing
Humidity (storage)	8%–95% relative humidity, non-condensing
Altitude (operating)	Up to 10,000 ft (3048m)
Management	
CLI	Full-featured CLI available over console port or SSH
UI/HTTPS	HPE Aruba Networking EdgeConnect SD-WAN Operating System includes a web user interface (WebUI) and REST API, which manages an individual appliance. HPE Aruba Networking SD-WAN Orchestrator provides centralized configuration, monitoring, and management of multiple HPE Aruba Networking EdgeConnect SD-WAN Gateways. It also provides REST API and streaming notification service.
SNMP	SNMPv3
Secure access	SSH and HTTPS, supports PKI as per RFC 5280, RFC 6960, and RFC 7030
Logging	Secure syslog with configurable levels, email alerts
Authentication	Local database, RADIUS, TACACS+
Statistics	Graphing and monitoring, real time and historical; NetFlow and IPFIX supported

Note: For best performance, HPE Aruba Networking EdgeConnect SD-WAN Operating System 9.1 or higher is recommended.

Table 2. Ordering information

Product type	Regulatory model number	HPE Aruba Networking SKU	Description
SD-WAN Gateways			
	FWA-ASP3050	JM538A	HPE Aruba Networking EC-S-P SD-WAN Gateway
	FWA-ASP3050	JM769A	HPE Aruba Networking EC-S-P-DC SD-WAN Gateway
	FWA-ASP3050	JM778A	HPE Aruba Networking EC-S-P-NFR SD-WAN Gateway
	FWA-ASP3050	JM770A	HPE Aruba Networking EC-S-P-DC-NFR SD-WAN Gateway
	FWA-ASP3050	S3N73A	HPE Aruba Networking EC S-P AC NAL SD-WAN Gateway
	FWA-ASP3050	S3N74A	HPE Aruba Networking EC S-P DC NAL SD-WAN Gateway
Accessories			
	FWA-ASP3050	JM779A	HPE Aruba Networking EC-S-P AC PSU
	FWA-ASP3050	JM780A	HPE Aruba Networking EC-S-P DC PSU
	FWA-ASP3050	JM781A	HPE Aruba Networking EC-S-P Sliding Rail

Supported transceivers are listed in the HPE Aruba Networking EdgeConnect hardware reference [guide](#)

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