HPE Aruba Networking EC-M-H SD-WAN Gateway

Product overview

The HPE Aruba Networking EC-M-H SD-WAN Gateway is a 1 U rack-mountable hub gateway platform that serves to build an SD-WAN fabric using zero touch provisioning. It supports MPLS, 4G/LTE/5G, internet-based hybrid WAN transport services, and a control plane that is automated and secured by the HPE Aruba Networking WAN Orchestrator centralized management software — providing policy-based virtual network segmentation and acceleration of on-premises and SaaS cloud applications.

Key features of EC-M-H include high-availability through power supply and storage redundancy, 8 x 1 GbE RJ45 ports along with 4 x 1/10 Gbps Short Reach (SR) or Long Reach (LR) fiber optical ports, making it an ideal platform for data center and large hub environments with typical WAN bandwidth from 50 Mbps to 5 Gbps (bidirectional).

Technical specifications

Capacity

WAN bandwidth capacity (all features + encryption)	50 Mbps to 5 Gbps (bidirectional)
Simultaneous connections	2,000,000
Recommended WAN optimization up to	1 Gbps

Resiliency

Power supplies	Dual redundant
Network	WAN link redundancy supported via business intent overlays with multiple link bonding options. LAN-side protection includes VRRP and BGP. Multiple IPSLA options included.
Storage	960 GB SSD
Routing	BGP and OSPF supported
MTBF	15.0 years

Security

Disk encryption	128-bit AES
Network encryption (data plane)	IPsec (256-bit AES)
Network encryption (management plane)	TLS 1.2

Connectivity

LAN/WAN ethernet	8 x 10/100/1000 (4 LAN/4 WAN) as per IEEE 802.3i, 802.3u, 802.3ab, 802.1Q and 4 x 1/10 Gbps SFP+ optical interfaces that can support pluggable optics
Management	2 x 10/100/1000; Console port

Power

AC requirement	153W/522 BTU
Power adapter	1+1 redundant

Dimensions

Height	1.69 in (42.9 mm)/1U
Width	17.2 in (436.9 mm)
Depth	16.5 in (419.1 mm)
Weight	18.1 lb (8.2 kg)

Technical specifications

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° to 104°F)
Temperature (storage)	-40°C to 65°C (-40° to 149°F)
Humidity (operating)	10–80% relative humidity, non-condensing
Humidity (storage)	8–95% relative humidity, non-condensing
Altitude (operating)	Up to 10,000 ft (3,048 m)
Altitude (storage)	Up to 40,000 ft (12,192 m)

Management

CLI	Full-featured CLI available over console port or SSH
GUI	HPE Aruba Networking EdgeConnect SD-WAN Operating System (ECOS) includes a web user interface which manages an individual appliance. HPE Aruba Networking WAN Orchestrator provides centralized configuration, monitoring, and management of multiple HPE Aruba Networking EdgeConnect SD-WAN appliances.
API	REST API at appliance level. HPE Aruba Networking WAN Orchestrator provides REST API for systems integration.
SNMP	SNMPv2c, SNMPv3
Secure access	SSH and HTTPS (Web UI), supports PKI as per RFC 5280, RFC 6960 and RFC 7030
Logging	Secure syslog with configurable levels
Authentication	Local database, RADIUS, TACACS+
Statistics	Graphing and monitoring, real-time and historical. NetFlow and IPFIX supported.

Ordering information

Product type	Regulatory model name	HPE Aruba Networking SKU	Description
Enterprise			
	FWA-ASP3050-12C	JZ872A	HPE Aruba Networking EC-M-H SD-WAN GW
	FWA-ASP3050-12C	JZ874A	HPE Aruba Networking EC-M-H NFR SD-WAN GW
	FWA-ASP3050-12C	S3N75A	HPE Aruba Networking EC M-H AC NAL SD-WAN GW
Accessories			
		JZ894A	HPE Aruba Networking EC-M-H Accessory Kit
		JZ954A	HPE Aruba Networking EC-M-H Sliding Rails
		JZ955A	HPE Aruba Networking EC-M-H PSU

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