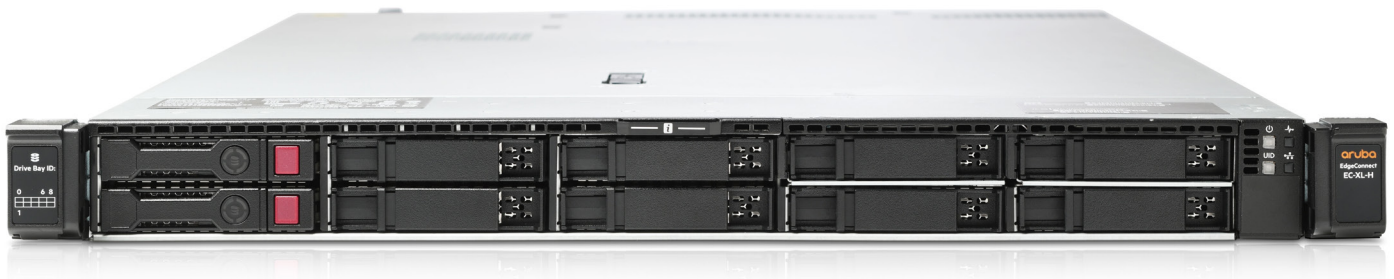# HPE Aruba Networking EdgeConnect SD-WAN EC-XL-H

The HPE Aruba Networking EdgeConnect SD-WAN EC-XL-H 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 and internet-based hybrid WAN transport services 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 EdgeConnect SD-WAN EC-XL-H include high-availability through power supply and storage redundancy, high performance PCIe- based flash network memory for application acceleration, and up to six (6) ports supporting 10 Gbps SFP+ and/or 25 Gbps SFP28 pluggable transceivers, making it an ideal platform for Data Center and large hub environments with typical WAN bandwidth from 2 to 10 Gbps (bidirectional).

Capacity

WAN bandwidth capacity (all features + encryption)	2 to 10 Gbps (bidirectional)
Simultaneous connections	2,000,000

Resiliency

Power supplies	Dual redundant
Network	6 ports supporting any combination of WAN and LAN including support for up to 64 802.1q VLANs. 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	ECOS: 960GB SSD, Network Memory (-NM): 3.2TB NVMe
Routing	BGP and OSPF supported
MTBF	Greater than 10 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	SKU JZ881A–6 x 1/10Gbps SFP+ or 10/25Gbps SFP28 transceiver cages as per IEEE 802.3z, 802.3ae, 802.1Q, 802.3by, 802.3cc SKU S0B67A–6 x 1/10Gbps SFP+ transceiver cages as per IEEE 802.3z, 802.3ae, 802.1Q
Management	2 x 10/100/1000; Console port

WAN optimization

Recommended boost up to	5 Gbps

Power

AC requirement	SKU JZ881A–435W/1484 BTU	SKU S0B67A–413W/1409 BTU
Power adapter	1+1 Redundant, AC

Dimensions

Height	1.69 in (42.9 mm)/1U
Width	17.11 in (434.6 mm)
Depth	27.83 in (706.9 mm)
Weight	33.5 lbs (15.2 kg)

* For best performance, HPE Aruba Networking EdgeConnect SD-WAN Operating System (ECOS) 9.1 or higher is recommended

Regulatory

EMC	FCC Part 15 Class A, CISPR 22/23, EN 55032 Class A, EN 55024, VCCI Class A, IEC 61000-3-2/3-3, EN 61000-3-2/3-3
Safety	UL 60950-1, IEC 60950-1, IEC 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 to 80 percent relative humidity, non-condensing
Humidity (storage)	8 to 95 percent 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 SD-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 SD-WAN Orchestrator provides REST API for systems integration.
SNMP	SNMPv2c, SNMPv3
Secure access	SSH and HTTPS (WebUI)
Logging	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	HPE Aruba Networking SKU	Description
SD-WAN gateways		
	JZ881A	HPE Aruba Networking EC-XL-H SD-WAN gateway
	JZ883A	HPE Aruba Networking EC-XL-H-NFR SD-WAN gateway
	S0B67A	HPE Aruba Networking EC-XL-H 10G SD-WAN gateway
	S0M74A	HPE Aruba Networking EC-XL-H-10G-NFR SD-WAN gateway
Accessories		
	JZ886A	HPE Aruba Networking EC-XL-H rails
	JZ887A	HPE Aruba Networking EC-XL-H PSU
	JZ888A	HPE Aruba Networking EC-XL-H center mount kit
	JZ890A	HPE Aruba Networking EC-XL-H NVM 1.6 TB NVMe (Network memory)

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