

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



The HPE Aruba Networking EC-XL-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 SD-WAN Orchestrator centralized management software — providing policy-based virtual network segmentation and acceleration of on-premises and SaaS cloud applications.

Key features of 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).

Technical specifications

Capacity

WAN bandwidth capacity (all features + encryption)	2 to 10 Gbps (bidirectional)
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Simultaneous connections	2,000,000
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Recommended WAN optimization up to	5 Gbps
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Resiliency

Power supplies	Dual redundant
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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.
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Storage	ECOS: 960 GB SSD, Network Memory (-NM): 3.2 TB NVMe
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Routing	BGP and OSPF supported
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MTBF	Greater than 10 years
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Security

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

LAN/WAN ethernet	SKU JZ881A-6 x 1/10 Gbps SFP+ or 10/25 Gbps SFP28 transceiver cages as per IEEE 802.3z, 802.3ae, 802.1Q, 802.3by, 802.3cc SKU S0B67A-6 x 1/10 Gbps SFP+ transceiver cages as per IEEE 802.3z, 802.3ae, 802.1Q
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Management	2 x 10/100/1000; Console port
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Power

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

Height	1.69 in (42.9 mm)/1U
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Width	17.11 in (434.6 mm)
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Depth	27.83 in (706.9 mm)
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Weight	33.5 lbs (15.2 kg)
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Note: For best performance, HPE Aruba Networking EdgeConnect SD-WAN Operating System (ECOS) 9.1 or higher is recommended



Technical specifications

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
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Safety	UL 60950-1, IEC 60950-1, IEC 62368
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Environmental

Temperature (operating)	0°C to 40°C (32° to 104°F)
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Temperature (storage)	-40°C to 65°C (-40° to 149°F)
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Humidity (operating)	10–80% relative humidity, non-condensing
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Humidity (storage)	8–95% relative humidity, non-condensing
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Altitude (operating)	Up to 10,000 ft (3,048 m)
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Altitude (storage)	Up to 40,000 ft (12,192 m)
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Management

CLI	Full-featured CLI available over console port or SSH
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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.
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API	REST API at appliance level. HPE Aruba Networking SD-WAN Orchestrator provides REST API for systems integration.
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SNMP	SNMPv2c, SNMPv3
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Secure access	SSH and HTTPS (WebUI), supports PKI as per RFC 5280, RFC 6960 and RFC 7030
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Logging	Secure syslog with configurable levels
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Authentication	Local database, RADIUS, TACACS+
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Statistics	Graphing and monitoring, real-time and historical. NetFlow and IPFIX supported.
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Ordering information

Product type	Regulatory model name	HPE Aruba Networking SKU	Description
SD-WAN gateways			
	HSTNS-2154	JZ881A	HPE Aruba Networking EC-XL-H SD-WAN gateway
	HSTNS-2154	JZ883A	HPE Aruba Networking EC-XL-H-NFR SD-WAN gateway
	HSTNS-2154	S0B67A	HPE Aruba Networking EC-XL-H 10G SD-WAN gateway
	HSTNS-2154	S0M74A	HPE Aruba Networking EC-XL-H-10G-NFR SD-WAN gateway
	HSTNS-2154	S3N77A	HPE Aruba Networking EC XL-H 2PS NAL SD-WAN GW
	HSTNS-2154	S3N68A	HPE Aruba Networking EC XL-H-10G NAL SD-WAN GW
Accessories			
		JZ886A	HPE Aruba Networking EC-L-H/EC-XL-H Rails
		JZ887A	HPE Aruba Networking EC-L-H/EC-XL-H PSU
		JZ888A	HPE Aruba Networking EC-L-H/EC-XL-H Center Mount Kit
		JZ889A	HPE Aruba Networking EC-L-H/EC-XL-H 480GB SSD drive
		JZ890A	HPE Aruba Networking EC-XL-H NVM 1.6 TB NVMe (Network memory)

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