



HPE Aruba Networking EdgeConnect 10150 SD-WAN Gateway

Product overview

The HPE Aruba Networking EdgeConnect 10150 SD-WAN Gateway (EC-10150) is a 1U rack-mountable gateway platform designed to serve the needs of enterprise hub or data center locations. It supports Private WAN Transports, 4G/LTE/5G, and internet-based hybrid WAN transport services. The HPE Aruba Networking SD-WAN Orchestrator offers fully automated and secure management with centralized configuration of SD-WAN policy, macro-segmentation via end-to-end VRFs, and micro-segmentation via zone-based firewall and role-based policies, IDS/IPS, and Next-Gen Firewall features, all through an intuitive UI for policy, analytics, and network visibility.

Key features of the EC-10150 include high-availability support through power supply and storage redundancy, up to eight network interfaces supporting 1/10 Gbps SFP+ and/or 25 Gbps SFP28 pluggable transceivers, and two RJ45 10/100/1000M interfaces. This makes it an ideal platform for data centers and large hub environments with a typical WAN bandwidth of up to 12 Gbps (bidirectional). Additionally, the EC-10150 supports optional field-installable NVMe-based network memory drives, which can be used to increase WAN optimization data deduplication capacity.

Table-1 Technical specifications

Key features	
Capacity	
WAN bandwidth capacity (all features + encryption)	Up to 12 Gbps (bidirectional)
Simultaneous connections	2,000,000
Recommended WAN optimization up to	8 Gbps (bidirectional)
IDS/IPS capacity (Performant mode) up to	10 Gbps
IDS/IPS capacity (Inline mode) up to	5 Gbps
Maximum tunnels	10,000
Maximum fabric peers	4096
Resiliency	
Storage	System disk: 2x 480 GB NVMe, EC-10010 NM drive kit: 2x 1.6 TB NVMe (optional) ¹
MTBF (without storage)	300,236 hours
Security	
FIPS	Federal Information Processing Standards (FIPS) 140-2, level 1
Common Criteria	Collaborative Protection Profile for Network Devices (NDcPP) v2.2e PP-module for VPN gateways version 1.3 PP-module for stateful traffic filter firewalls, version 1.4
CSfC	RFC8784 post-quantum pre-shared keys
Disk encryption	128-bit AES
Network encryption (data plane)	IPSec (256-bit AES)
Network encryption (management plane)	TLS 1.2
Authentication	Strict password enforcement, RADIUS, TACACS+
TPM	TPM 2.0 supported

Table-1 Technical specifications (continued)

Key features	
Connectivity	
Data plane Ethernet ports	8x 1/10 Gbps SFP+ or 10/25 Gbps SFP28 transceiver cages as per IEEE 802.3z, 802.3ae, 802.1Q, 802.3by, 802.3cc, 802.3ab, 802.3i 2x 10M/100M/1000M RJ45
Management ports	Management: 2x 10M/100M/1000M RJ45; console port (DB-9)
Network	10 versatile interfaces supporting any combination of WAN and LAN, including support for up to 128 802.1q VLANs; WAN link redundancy is supported through business intent overlays with multiple link bonding options. LAN-side protection includes VRRP, OSPF with BFD, and BGP with BFD Multiple IPSLA options supported 802.1 AX Link Aggregation supported.
Routing	Static, VRRP, BGP, and OSPF—Supports up to 60,000 IPv4 prefixes and 30,000 IPv6 prefixes
Power	
AC requirement	Input voltage: 100V–240V, 50 Hz–60 Hz 423W/1443 BTU without network memory drives 456W/1518 BTU with network memory drives
Power supply	1+1 redundant, 800W AC
Dimensions	
Height	1.69 inch (4.28 cm) /1U
Width	17.12 inch (43.46 cm)
Depth	25.57 inch (64.94 cm)
Weight	32.4 lb (14.7 kg)
Regulatory	
EMC	47 CFR FCC Part 15B/ICES-003 Issue 7 Class A, EN 55032 Class A, EN55035, IEC/EN 61000-3-2/3-3, VCCI Class A, CISPR 32 Class B, CISPR 35
Safety	IEC/EN 60950-1:2005 IEC/EN 62368-1 (2nd and 3rd Ed) UL 62368-3rd Ed, CSA C22.2 No. 62368-1:19 3rd Ed.
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)	10% to 80% relative humidity, non-condensing
Humidity (storage)	8% to 95% relative humidity, non-condensing
Altitude (operating)	Up to 10,000 ft (3048m)
Altitude (storage)	Up to 40,000 ft (12192m)
Management	
CLI	Full-featured CLI available over console port or SSH.
GUI	HPE Aruba Networking EdgeConnect SD-WAN Operating System includes a web user interface (WebUI), 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.

¹ Network memory drive can be ordered separately. Check for accessories in the ordering information section.

Table-1 Technical specifications (continued)

Key features	
API	HPE Aruba Networking EdgeConnect SD-WAN Operating System includes a REST API over HTTPS for individual gateway management, including retrieval of per second network statistics. HPE Aruba Networking SD-WAN Orchestrator provides an aggregated REST API for the entire SD-WAN.
Flow reporting	IPFIX with custom information elements, including the option for data-anonymization
SNMP	SNMPv2c, SNMPv3
Secure access	SSH and HTTPS (WebUI) Supports PKI as per RFC 5280, RFC 6960, and RFC 7030 Authentication with RADIUS and TACACS+
Logging	Secure syslog with configurable levels

Ordering information

Product type	Regulatory model name	HPE Aruba Networking SKU	Description
SD-WAN gateways			
	TPS-W024	S2N65A	HPE Aruba Networking EC 10150 SD-WAN GW
	TPS-W024	S3P34A	HPE Aruba Networking EC 10150 NAL SD-WAN GW
	TPS-W024	S3R69A	HPE Aruba Networking EC 10150 NFR SD-WAN GW
Accessories			
		S2N67A	HPE Aruba Networking EC 10010 NM DRIVE KIT (includes two network memory drives)
Replacement spares ²			
		S3P32A	HPE Aruba Networking EC 10020 4 Post Sliding Rail Kit
		S3P33A	HPE Aruba Networking EC 10050 800W AC PSU
		S3P35A	HPE Aruba Networking EC 10012 Boot Drive (includes a single system drive)
		S3R70A	HPE Aruba Networking EC 10010 1.6TB NM Spare Drive (includes a single network memory drive)

² SKUs under Replacement spares are part of the main package shipped with the EC-10150 or EC-10010 NM Drive Kit. Customers need to order this only if they require a spare.

Notes:

All the gateway variants of EC-10150 listed in the previous table are TAA-compliant.

Refer to the hardware reference guide for transceivers compatible with the EC-10150.

Learn more at

[HPE.com/us/en/Aruba-EdgeConnect-SD-WAN.html](https://hpe.com/us/en/Aruba-EdgeConnect-SD-WAN.html)

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a50012836ENW, Rev.2

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