

HPE Aruba Networking EdgeConnect 10150 SD-WAN Gateway



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.

Technical specifications

Capacity

WAN bandwidth capacity (all features + encryption)	Up to 12 Gbps (bidirectional)
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Simultaneous connections	2,000,000
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Recommended WAN optimization up to	8 Gbps (bidirectional)
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Maximum tunnels	10,000
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Maximum fabric peers	4096
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Resiliency

Storage	System disk: 2x 480 GB NVMe, EC-10010 NM drive kit: 2x 1.6 TB NVMe (optional*)
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MTBF (without storage)	300,236 hours
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Security

FIPS	Federal Information Processing Standards (FIPS) 140-2, level 1
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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
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CSfC	RFC8784 post-quantum pre-shared keys
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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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Authentication	Strict password enforcement, RADIUS, TACACS+
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TPM	TPM 2.0 supported
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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
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Management ports	Management: 2x 10M/100M/1000M RJ45; console port (DB-9)
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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.
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Routing	Static, VRRP, BGP, and OSPF—Supports up to 60,000 IPv4 prefixes and 30,000 IPv6 prefixes
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Technical specifications (continued)

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.
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

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



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*			
		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)

Note: * 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.

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

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