



HPE Aruba Networking EdgeConnect SD-WAN 10104

The HPE Aruba Networking EdgeConnect 10104 is a small form factor, thin edge SD-WAN gateway appliance that serves to build an SD-WAN fabric using zero touch provisioning. It supports MPLS, 4G/5G/LTE and 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.

A key feature of EC-10104 is silent, fanless operation, making it an ideal platform for small branch and home office environments with typical WAN bandwidth from 1 to 500 Mbps (bidirectional).

Technical specifications

HPE Aruba Networking EdgeConnect SD-WAN 10104

Capacity

WAN bandwidth capacity (all features + encryption)	Up to 500 Mbps (bidirectional)
Simultaneous connections	256,000
Recommended WAN optimization up to	200 Mbps
IDS/IPS capacity (Performant mode) up to	400 Mbps
IDS/IPS capacity (Inline mode) up to	300 Mbps

Resiliency

Drives	Single
Power supplies	Single
Network	4 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.
Routing	BGP and OSPF support
RAM	ECC memory
MTBF	63 years

Security

Disk encryption	128-bit AES
Network encryption	IPSec (256-bit AES)

Connectivity

LAN/WAN Ethernet	4 x 10/100/1000 LAN/WAN (2 LAN/2 WAN) as per IEEE 802.3i, 802.3u, 802.3ab, 802.1Q
Management	Console port (RJ45, micro USB)
USB	1 x USB 3.0

Deployment

In-line router mode	In-line as next-hop gateway at site perimeter, connected to a broadband internet modem for zero touch provisioning, with WAN hardening or zone-based stateful firewall
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Power

AC requirement	Input: 100 – 240V AC / 50–60 Hz Power consumption: 48W / 163.78 BTU
Power supplies	Single adapter

Technical specifications (continued)

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Dimensions

Height	1.50 in (38.2 mm)
Width	7.81 in (198.5 mm)
Depth	6.03 in (153.1 mm)
Weight	2.52 lbs (1.14 kg)

Regulatory

EMC	47 CFR FCC Part15B/ICES-003 Issue 7 Class B, EN 55032 Class B, EN55035, IEC/N61000-3-2/3-3, VCCI Class B, CISPR 32 Class B, CISPR 35, EN 300 386 V2.1.1
Safety	IEC/EN 60950-1:2005 w/all known National Deviations, IEC/EN 62368-1(2nd and 3rd Ed) w/all known National Deviations, UL 62368-1 3rd Ed, CSA C22.2 No. 62368-1:19 3rd Ed

Environmental

Temperature (operating)	0°C to 40°C (32° to 104°F)
Temperature (storage)	-40°C to 70°C (-40° to 158°F)
Humidity (operating)	10 to 90 percent relative humidity, non-condensing
Humidity (storage)	10 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
UI/HTTPS	HPE Aruba Networking EdgeConnect Operating System (ECOS) includes a Web User Interface and REST API which manages an individual appliance. HPE Aruba Networking EdgeConnect SD-WAN Orchestrator provides centralized configuration, monitoring, and management of multiple EdgeConnect SD-WAN gateways. It also provides REST API and streaming notification service.
SNMP	SNMPv3
Secure access	SSH and HTTPS
Logging	Secure syslog with configurable levels. Email alerts
Authentication	Local database, RADIUS, TACACS+
Statistics	Graphing and monitoring, real-time and historical. NetFlow and IPFIX supported.

Ordering information

Capacity	Regulatory model number	HPE Aruba Networking SKU	Description
SD-WAN Gateways			
	EC-10104	R9D72A	HPE Aruba Networking EC-10104 SD-WAN Gateway
	EC-10104	R9Y07A	HPE Aruba Networking EC-10104-NFR SD-WAN Gateway
	EC-10104	S3N69A	HPE Aruba Networking EC 10104 NAL SD-WAN GW
	EC-10104	S3N78A	HPE Aruba Networking EC 10104 TAA SD-WAN GW
Accessories			
		R9Y08A	HPE Aruba Networking EC-10104 Accessory Kit
		R9Y46A	HPE Aruba Networking EC-10104 Power Adapter
		R9H42A	HPE Aruba Networking EC-10104 Rack Mount Kit
		R1B30A*	HPE Aruba Networking 9004-MNT-19 Rack Mount Kit

* This optional mount kit can support two EC-10104 gateways side-by-side in a 1RU slot.

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