HPE Aruba Networking EdgeConnect SD-WAN

What's new

- Adaptive DDoS is an optional feature of HPE Aruba Networking EdgeConnect SD-WAN to protect branch locations against DDoS attacks by automatically adjusting DoS thresholds using machine learning.
- HPE Aruba Networking EdgeConnect SD-WAN augmented with SWG helps organizations protect all users and things from web-based threats eliminating the need to install an SSE agent on each device.
- HPE Aruba Networking Central orchestrates the HPE Aruba Networking EdgeConnect SD-WAN fabric between EdgeConnect SD-WAN, EdgeConnect SD-Branch and EdgeConnect Microbranch.

Overview

HPE Aruba Networking EdgeConnect SD-WAN provides a solid foundation for Zero Trust and SASE (Secure Access Service Edge) frameworks to tackle the networking and security challenges of hybrid working and cloud computing. The solution tightly integrates with HPE Aruba Networking SSE to form a single-vendor SASE platform.

Leveraging a built-in next-generation firewall with features such as IDS/IPS, advanced Distributed Denial-of-Service (DDoS) protection and role-based segmentation, HPE Aruba Networking EdgeConnect SD-WAN enables organizations to seamlessly consolidate their branch equipment by replacing branch firewalls and routers. It allows them to reduce the cost and complexity of building a WAN while reducing MPLS dependency. This is achieved by leveraging broadband internet and cellular links to connect users to applications with advanced features such as path optimization, WAN optimization and multi-cloud networking.

Features

Enhanced Performance and Cost Efficiency

HPE Aruba Networking EdgeConnect SD-WAN delivers reliable and business-driven connectivity for branch offices using Business Intent Overlays (BIOs) and combining multiple links, such as MPLS, internet, and 5G.

With advanced features like path conditioning and tunnel bonding, it provides a performance comparable to private-line connections over internet links, reducing reliance on costly MPLS.

The solution minimizes latency through WAN optimization techniques such as TCP acceleration, data compression, and data deduplication.

Additionally, AppExpress optimizes user experience for business-critical applications by automatically selecting the best path for each application, leveraging synthetic polling and real-time user traffic observations.

Seamless Multi-cloud Connectivity

Designed for a multi-cloud world, HPE Aruba Networking EdgeConnect SD-WAN intelligently routes application traffic to the cloud according to predefined business and security policies.

It eliminates the need to backhaul cloud-destined traffic to a data center by directly routing trusted traffic, such as real-time voice and video, to the cloud. First packet application identification enables secure local internet breakout to the closest SaaS and IaaS doorsteps.

This approach also supports end-to-end connectivity with leading cloud service providers, ensuring optimized performance and security across multi-cloud environments.

Simplified Branch Security with a Secure SD-WAN

HPE Aruba Networking EdgeConnect SD-WAN enables organizations to seamlessly replace branch firewalls as the solution includes a next-generation firewall with IDS/IPS and adaptive DDoS protection capabilities.

The HPE Aruba Networking ClearPass integration with HPE Aruba Networking EdgeConnect SD-WAN augments application intelligence with the user and device identity and role-based policy, enabling role-based segmentation.

Augmented with SWG (Secure Web Gateway), the solution protects all devices, including IoT, from web-based threats without requiring an SSE agent on each device.

Accelerated SASE Adoption

HPE Aruba Networking EdgeConnect SD-WAN is the cornerstone of HPE Aruba Networking SASE (Secure Access Service Edge), integrating seamlessly with HPE Aruba Networking SSE (Security Service Edge).

The tight integration with HPE Aruba Networking SSE enables a single-vendor SASE approach, providing advanced security features like ZTNA (Zero Trust Network Access), SWG (Secure Web Gateway), and CASB (Cloud Access Security Broker).

HPE Aruba Networking EdgeConnect SD-WAN also supports a best-of-breed approach to SASE by tightly integrating with multiple third-party SSE vendors facilitating SD-WAN deployment within sites already equipped with security solutions.

Technical specifications	HPE Aruba Networking EdgeConnect SD-WAN
Regulatory	EMC: FCC Part 15 Class A; EN 55022 Class A; EN 61000-3-2/3-3 Safety: EN 55024; L/cUL 60950 / 62368; EN 60950 / 62368
Warranty	See the warranty duration guide
Input voltage	100-240 VAC

SKU comparison

	HPE Aruba Networking EC-L-H 6x SFP+ 1/10G SD-WAN Gateway (JZ878A)	HPE Aruba Networking EC-M-H 8x RJ45 10/100/1000 4x SFP+ 1/10G SD-WAN Gateway (JZ872A)	HPE Aruba Networking EC-S-P 8x RJ45 10/100/1000 4x SFP+ 1/10G SD-WAN Gateway (JM538A)	HPE Aruba Networking EC-S-P-DC 8x RJ45 10/100/1000 4x SFP+ 1/10G SD-WAN Gateway (JM769A)	HPE Aruba Networking EdgeConnect 10104 4x RJ45 10/100/1000 Gateway (R9D72A)
Ports	6 x 1/10 Gbps fiber LAN/WAN	8 x 10/100/1000 LAN/WAN; 4 x 1/10 Gbps fiber LAN/WAN; 2 x 10/100/1000; Console port	8 x 10/100/1000 LAN/WAN; 4 x 1/10 Gbps fiber LAN/WAN	8 x 10/100/1000 LAN/WAN; 4 x 1/10 Gbps fiber LAN/WAN	4 x 10/100/1000 LAN/WAN (2 LAN/2 WAN) Console port (RJ45, microUSB) 1 x USB 3.0
Regulatory	EMC: FCC Part 15 Class A; EN 55022 Class A; EN 61000-3-2/3-3 Safety: EN 55024; L/cUL 60950 / 62368; EN 60950 / 62368	EMC: FCC Part 15 Class A; EN 55022 Class A; EN 61000-3-2/3-3 Safety: EN 55024; L/cUL 60950 / 62368; EN 60950 / 62368	EMC: FCC Part 15 Class A; EN 55022 Class A; EN 61000-3-2/3-3 Safety: EN 55024; L/cUL 60950 / 62368; EN 60950 / 62368	EMC: FCC Part 15 Class A; EN 55022 Class A; EN 61000-3-2/3-3 Safety: EN 55024; L/cUL 60950 / 62368; EN 60950 / 62368	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
Warranty	See the warranty duration guide				
Connectivity, standard	LAN/WAN ethernet: 6 x 1/10 Gbps SFP+ transceiver cages as per IEEE 802.3z, 802.3ae, 802.1Q; Management: 2 x 10/100/1000; Console port	LAN/WAN ethernet: 8 x 10/100/1000 (4 LAN/4 WAN) as per IEEE 802.3i, 802.3u, 802.3ab, 802.1Q and 4 x 1/10 Gbps SFP+ optical interfaces that can support pluggable optics; Management: 2 x 10/100/1000; Console port	LAN/WAN ethernet: 8 x 10/100/1000 (4 LAN/4 WAN) as per IEEE 802.3i, 802.3u, 802.3ab, 802.1Q 4 x 1/10 Gbps ethernet SFP+ fiber data ports (2 LAN/2 WAN) as per IEEE 802.3z, 802.3ae, 802.1Q; Management: 2 x 10/100/1000; console port	LAN/WAN ethernet: 8 x 10/100/1000 (4 LAN/4 WAN) as per IEEE 802.3i, 802.3u, 802.3ab, 802.1Q 4 x 1/10 Gbps ethernet SFP+ fiber data ports (2 LAN/2 WAN) as per IEEE 802.3z, 802.3ae, 802.1Q; 2 x 10/100/1000; console port	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, microUSB) USB: 1 x USB 3.0
Input voltage	100-240 VAC				

	HPE Aruba Networking EC-L-H 6x SFP+ 1/10G SD-WAN Gateway (JZ878A)	HPE Aruba Networking EC-M-H 8x RJ45 10/100/1000 4x SFP+ 1/10G SD-WAN Gateway (JZ872A)	HPE Aruba Networking EC-S-P 8x RJ45 10/100/1000 4x SFP+ 1/10G SD-WAN Gateway (JM538A)	HPE Aruba Networking EC-S-P-DC 8x RJ45 10/100/1000 4x SFP+ 1/10G SD-WAN Gateway (JM769A)	HPE Aruba Networking EdgeConnect 10104 4x RJ45 10/100/1000 Gateway (R9D72A)
Power consumption	404W / 1379 BTU	153W / 522 BTU	47-63Hz / 300W	47-63Hz / 300W	48 W / 163.78 BTU
Differentiator	Included in packaging box: 4 post tool-less sliding rail kit (cage nuts/screws not included/needed) 1 - 5Gbps WAN Capacity 2 x 480 GB SSD Includes 2 Power Supplies & 2 Power Cords 4 x 10/100/1000 LAN/WAN Ports 2 x 1/10 Gbps LAN/WAN Ports (Min0/Max2 SFP/SFP+ XCVRs) 1U - Height	Installed on appliance: Fixed rack mount ear brackets with cage nuts and screws for square holes 50 - 2000Mbps WAN Capacity 2 x 480 GB SSD Includes 2 Power Supplies & 2 Power Cords 4 x 10/100/1000 LAN/WAN Ports 4 x 1/10 Gbps LAN/WAN Ports (Min0/Max4 SFP/SFP+ XCVRs) 1U - Height	Installed on appliance: Fixed rack mount ear brackets with cage nuts and screws for square holes 10 - 2000 1000Mbps WAN Capacity Supports up to 500Mbps of Boost 2 x 480 GB SSD Includes 1 Power Supply & 1 Power Cord Option to add redundant Power Supply and Power Cord 8 6 x 10/100/1000 LAN/WAN Ports 4 x 1/10 Gbps LAN/WAN Ports (Min0/Max4 SFP/SFP+ XCVRs) 1U - Height	Installed on appliance: Fixed rack mount ear brackets with cage nuts and screws for square holes 10 - 2000 1000Mbps WAN Capacity Supports up to 500Mbps of Boost 2 x 480 GB SSD Includes 1 Power Supply & 1 Power Cord Option to add redundant Power Supply and Power Cord 8 6 x 10/100/1000 LAN/WAN Ports 4 x 1/10 Gbps LAN/WAN Ports (Min0/Max4 SFP/SFP+ XCVRs) 1U - Height	Standard table- top appliance. Included in packaging box: Table top rubber feet and External Power Supply 2 - 500Mbps WAN Capacity Supports up to 200Mbps of Boost Includes 1 Power Adapter, 1 Power Cord & 1 Wall Mount 4 x 10/100/1000 LAN/WAN Ports 1U - Height

	HPE Aruba Networking EdgeConnect 10104 4x RJ45 NAL SD-WAN Gateway (S3N69A)	HPE Aruba Networking EdgeConnect 10104 4x RJ45 TAA SD-WAN Gateway (S3N78A)	HPE Aruba Networking EdgeConnect 10106 1G 2x SFP 2x Combo 1G 2x RJ45 PoE+ SD-WAN Gateway (S0E22A)	HPE Aruba Networking EdgeConnect 10106 2x SFP+ 2x Combo 2x PoE NAL SD-WAN Gateway (S3N71A)	HPE Aruba Networking EdgeConnect 10106-NFR 1G 2x SFP 2x Combo 1G 2x RJ45 PoE+ SD-WAN Gateway (S0E24A)
Ports	LAN/WAN ethernet: 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, microUSB) USB: 1 x USB 3.0	LAN/WAN ethernet: 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, microUSB) USB: 1 x USB 3.0	2 x 10M/100M/1000M RJ45 ports with PoE Support 2 x combo ports (RJ45 or SFP) 2 x 1 G/10 G SFP+ ports Management: 2 x 10M/100M/1000M RJ45; Console port (1 x RJ45, 1 x USB-C) USB: 1 x USB 3.0 Type A	2 x 10M/100M/1000M RJ45 ports with PoE Support 2 x combo ports (RJ45 or SFP) 2 x 1 G/10 G SFP+ ports Management: 2 x 10M/100M/1000M RJ45; Console port (1 x RJ45, 1 x USB-C) USB: 1 x USB 3.0 Type A	
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	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	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 V2.2.1 Safety: IEC/EN 60950-1:2005 IEC/EN 62368-1(2nd and 3rd Ed) UL 62368-1 3rd Ed, CSA C22.2 No. 62368-1:19 3rd Ed.	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 V2.2.1 Safety: IEC/EN 60950-1:2005 IEC/EN 62368-1(2nd and 3rd Ed) UL 62368-1 3rd Ed, CSA C22.2 No. 62368-1:19 3rd Ed.	EMC: FCC Part 15 Class A; EN 55022 Class A; EN 61000-3-2/3-3 Safety: EN 55024; L/cUL 60950 / 62368; EN 60950 / 62368
Warranty	See the warranty duration guide				

	HPE Aruba Networking EdgeConnect 10104 4x RJ45 NAL SD-WAN Gateway (S3N69A)	HPE Aruba Networking EdgeConnect 10104 4x RJ45 TAA SD-WAN Gateway (S3N78A)	HPE Aruba Networking EdgeConnect 10106 1G 2x SFP 2x Combo 1G 2x RJ45 PoE+ SD-WAN Gateway (S0E22A)	HPE Aruba Networking EdgeConnect 10106 2x SFP+ 2x Combo 2x PoE NAL SD-WAN Gateway (S3N71A)	HPE Aruba Networking EdgeConnect 10106-NFR 1G 2x SFP 2x Combo 1G 2x RJ45 PoE+ SD-WAN Gateway (S0E24A)
Connectivity, standard	WAN bandwidth capacity: 2 to 500 Mbps (bidirectional) Simultaneous connections: 256,000 Recommended WAN optimization: up to 200 Mbps 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 Security: Disk encryption AES-128 Network encryption IPSec (AES-256)	WAN bandwidth capacity: 2 to 500 Mbps (bidirectional) Simultaneous connections: 256,000 Recommended WAN optimization: up to 200 Mbps 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 Security: Disk encryption AES-128 Network encryption IPSec (AES-256)	WAN bandwidth capacity: 2 to 1000 Mbps (bidirectional) Simultaneous connections: 256,000 Recommended WAN optimization: up to 250 Mbps Network: Six ports supporting any combination of WAN and LAN including support for up to 64 802.1q VLANs. WAN link redundancy supported through business intent overlays with multiple link bonding options. LAN-side protection includes VRRP and BGP. Multiple IPSLA options included. Routing: BGP and OSPF support Security: Disk encryption AES-128 Network encryption IPSec (AES-256)	WAN bandwidth capacity: 2 to 1000 Mbps (bidirectional) Simultaneous connections: 256,000 Recommended WAN optimization: up to 250 Mbps Network: Six ports supporting any combination of WAN and LAN including support for up to 64 802.1q VLANs. WAN link redundancy supported through business intent overlays with multiple link bonding options. LAN-side protection includes VRRP and BGP. Multiple IPSLA options included. Routing: BGP and OSPF support Security: Disk encryption AES-128 Network encryption IPSec (AES-256)	
Input voltage	100-240 VAC				
Power consumption	48 W / 163.78 BTU	48 W / 163.78 BTU	165W / 563 BTU Power supply: Single adapter	165W / 563 BTU	

	HPE Aruba Networking EdgeConnect 10104 4x RJ45 NAL SD-WAN Gateway (S3N69A)	HPE Aruba Networking EdgeConnect 10104 4x RJ45 TAA SD-WAN Gateway (S3N78A)	HPE Aruba Networking EdgeConnect 10106 1G 2x SFP 2x Combo 1G 2x RJ45 PoE+ SD-WAN Gateway (S0E22A)	HPE Aruba Networking EdgeConnect 10106 2x SFP+ 2x Combo 2x PoE NAL SD-WAN Gateway (S3N71A)	HPE Aruba Networking EdgeConnect 10106-NFR 1G 2x SFP 2x Combo 1G 2x RJ45 PoE+ SD-WAN Gateway (S0E24A)
Differentiator	Standard table- top appliance. (NAL Compliant - For China Deployment Only) Included in packaging box: Table top rubber feet and External Power Supply 2 - 500Mbps WAN Capacity Supports up to 200Mbps of Boost Includes 1 Power Adapter, 1 Power Cord & 1 Wall Mount 4 x 10/100/1000 LAN/WAN Ports 1U - Height	Standard table- top appliance. TAA Compliant. Included in packaging box: Table top rubber feet and External Power Supply 2 - 500Mbps WAN Capacity Supports up to 200Mbps of Boost Includes 1 Power Adapter, 1 Power Cord & 1 Wall Mount 4 x 10/100/1000 LAN/WAN Ports 1U - Height	Standard table- top appliance. Included in packaging box: Table top rubber feet and External Power Adapter 2 - 1000Mbps WAN Capacity Supports up to 250Mbps of Boost Includes 1 Power Adapter, 1 Power Cord, 1 Wall Mount Kit, 1 Rack Mount Kit, 1 Cross-over Adapter, 1 Grounding Cable 2 x 10/100/1000 RJ45 Ports with POE 2 x 1G Combo Ports (10/100/1000 RJ45 or 1G SFP) 2 x 1G/10G SFP+ 1U - Height	Standard table- top appliance. (NAL Compliant - For China Deployment Only) Included in packaging box: Table top rubber feet and External Power Adapter 2 - 1000Mbps WAN Capacity Supports up to 250Mbps of Boost Includes 1 Power Adapter, 1 Power Cord, 1 Wall Mount Kit, 1 Rack Mount Kit, 1 Cross-over Adapter, 1 Grounding Cable 2 x 10/100/1000 RJ45 Ports with POE 2 x 1G Combo Ports (10/100/1000 RJ45 or 1G SFP) 2 x 1G/10G SFP+ 1U - Height	

	HPE Aruba Networking EdgeConnect 10108 1G 2x SFP 2x Combo 1G 2x RJ45 PoE+ SD-WAN Gateway (S0E23A)	HPE Aruba Networking EdgeConnect 10108 2x SFP+ 2x Combo 2x PoE NAL SD-WAN Gateway (S3N72A)	HPE Aruba Networking EdgeConnect 10108-NFR 1G 2x SFP 2x Combo 1G 2x RJ45 PoE+ SD-WAN Gateway (S0E25A)	HPE Aruba Networking EdgeConnect 10150 2xRJ45 MGMT 8x10G/25G SFP28 2xPSU SD-WAN Gateway (S2N65A)	HPE Aruba Networking EdgeConnect 10150 8x SFP28 2x RJ45 2xPSU NAL SD-WAN Gateway (S3P34A)
Ports	2 x 10M/100M/1000M RJ45 ports with PoE Support 2 x combo ports (RJ45 or SFP) 2 x 1 G/10 G SFP+ ports Management: 2 x 10M/100M/1000M RJ45; Console port (1 x RJ45, 1 x USB-C) USB: 1 x USB 3.0 Type A	2 x 10M/100M/1000M RJ45 ports with PoE Support 2 x combo ports (RJ45 or SFP) 2 x 1 G/10 G SFP+ ports Management: 2 x 10M/100M/1000M RJ45; Console port (1 x RJ45, 1 x USB-C) USB: 1 x USB 3.0 Type A		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)	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)
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 V2.2.1 Safety: IEC/EN 60950-1:2005 IEC/EN 62368-1(2nd and 3rd Ed) UL 62368-1 3rd Ed, CSA C22.2 No. 62368-1:19 3rd Ed.	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 V2.2.1 Safety: IEC/EN 60950-1:2005 IEC/EN 62368-1(2nd and 3rd Ed) UL 62368-1 3rd Ed, CSA C22.2 No. 62368-1:19 3rd Ed.	EMC: FCC Part 15 Class A; EN 55022 Class A; EN 61000-3-2/3-3 Safety: EN 55024; L/cUL 60950 / 62368; EN 60950 / 62368	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.	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.
Warranty	See the warranty duration guide				

	HPE Aruba Networking EdgeConnect 10108 1G 2x SFP 2x Combo 1G 2x RJ45 PoE+ SD-WAN Gateway (S0E23A)	HPE Aruba Networking EdgeConnect 10108 2x SFP+ 2x Combo 2x PoE NAL SD-WAN Gateway (S3N72A)	HPE Aruba Networking EdgeConnect 10108-NFR 1G 2x SFP 2x Combo 1G 2x RJ45 PoE+ SD-WAN Gateway (S0E25A)	HPE Aruba Networking EdgeConnect 10150 2xRJ45 MGMT 8x10G/25G SFP28 2xPSU SD-WAN Gateway (S2N65A)	HPE Aruba Networking EdgeConnect 10150 8x SFP28 2x RJ45 2xPSU NAL SD-WAN Gateway (S3P34A)
Connectivity, standard	WAN bandwidth capacity: 2 to 2000 Mbps (bidirectional) Simultaneous connections: 256,000 Recommended WAN optimization: up to 500 Mbps Network: 6 ports supporting any combination of WAN and LAN including support for up to 128 802.1q 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 Security: Disk encryption AES-128 Network encryption IPSec (AES-256)	WAN bandwidth capacity: 2 to 2000 Mbps (bidirectional) Simultaneous connections: 256,000 Recommended WAN optimization: up to 500 Mbps Network: 6 ports supporting any combination of WAN and LAN including support for up to 128 802.1q 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 Security: Disk encryption AES-128 Network encryption IPSec (AES-256)		WAN bandwidth capacity: Up to 12 Gbps (bidirectional) Simultaneous connections: 2,000,000 Recommended WAN optimization: up to 8 Gbps (bidirectional) 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 Security: FIPS Federal Information Processing Standards (FIPS) 140-2, level 1 Common criteria Collaborative Protection	WAN bandwidth capacity: Up to 12 Gbps (bidirectional) Simultaneous connections: 2,000,000 Recommended WAN optimization: up to 8 Gbps (bidirectional) 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 Security: FIPS Federal Information Processing Standards (FIPS) 140-2, level 1 Common criteria Collaborative Protection

	HPE Aruba Networking EdgeConnect 10108 1G 2x SFP 2x Combo 1G 2x RJ45 PoE+ SD-WAN Gateway (S0E23A)	HPE Aruba Networking EdgeConnect 10108 2x SFP+ 2x Combo 2x PoE NAL SD-WAN Gateway (S3N72A)	HPE Aruba Networking EdgeConnect 10108-NFR 1G 2x SFP 2x Combo 1G 2x RJ45 PoE+ SD-WAN Gateway (S0E25A)	HPE Aruba Networking EdgeConnect 10150 2xRJ45 MGMT 8x10G/25G SFP28 2xPSU SD-WAN Gateway (S2N65A)	HPE Aruba Networking EdgeConnect 10150 8x SFP28 2x RJ45 2xPSU NAL SD-WAN Gateway (S3P34A)
				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	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
Input voltage	100-240 VAC				
Power consumption	165W	165W		Power supply: 1+1 redundant, 800W AC AC requirement: 423W / 1443 BTU without network memory drives and 456W / 1518 BTU with network memory drives	Power supply: 1+1 redundant, 800W AC AC requirement: 423W / 1443 BTU without network memory drives and 456W / 1518 BTU with network memory drives
Mounting				1U rack-mountable gateway	1U rack-mountable gateway

	HPE Aruba Networking EdgeConnect 10108 1G 2x SFP 2x Combo 1G 2x RJ45 PoE+ SD-WAN Gateway (S0E23A)	HPE Aruba Networking EdgeConnect 10108 2x SFP+ 2x Combo 2x PoE NAL SD-WAN Gateway (S3N72A)	HPE Aruba Networking EdgeConnect 10108-NFR 1G 2x SFP 2x Combo 1G 2x RJ45 PoE+ SD-WAN Gateway (S0E25A)	HPE Aruba Networking EdgeConnect 10150 2xRJ45 MGMT 8x10G/25G SFP28 2xPSU SD-WAN Gateway (S2N65A)	HPE Aruba Networking EdgeConnect 10150 8x SFP28 2x RJ45 2xPSU NAL SD-WAN Gateway (S3P34A)
Differentiator	Standard table- top appliance. Included in packaging box: Table top rubber feet and External Power Adapter 2 - 2000Mbps WAN Capacity Supports up to 500Mbps of WAN Optimization Includes 1 Power Adapter, 1 Power Cord, 1 Wall Mount Kit, 1 Rack Mount Kit, 1 Cross-over Adapter, 1 Grounding Cable 2 x 10/100/1000 RJ45 Ports with POE 2 x 1G Combo Ports (10/100/1000 RJ45 or 1G SFP) 2 x 1G/10G SFP+ 1U - Height	Standard table- top appliance. (NAL Compliant - For China Deployment Only) Included in packaging box: Table top rubber feet and External Power Adapter 2 - 2000Mbps WAN Capacity Supports up to 500Mbps of WAN Optimization Includes 1 Power Adapter, 1 Power Cord, 1 Wall Mount Kit, 1 Rack Mount Kit, 1 Cross-over Adapter, 1 Grounding Cable 2 x 10/100/1000 RJ45 Ports with POE 2 x 1G Combo Ports (10/100/1000 RJ45 or 1G SFP) 2 x 1G/10G SFP+ 1U - Height		Key features of the EC-10150 include high-availability support, up to eight network interfaces supporting 1/10 Gbps SFP+ or 25 Gbps SFP28 transceivers, and two RJ45 interfaces. It supports WAN bandwidths up to 12 Gbps (bidirectional) and optional NVMe-based drives to boost WAN optimization and data deduplication capacity.	China NAL Certification, only for mainland China. Key features of the EC-10150 include high-availability support, up to eight network interfaces supporting 1/10 Gbps SFP+ or 25 Gbps SFP28 transceivers, and two RJ45 interfaces. It supports WAN bandwidths up to 12 Gbps (bidirectional) and optional NVMe-based drives to boost WAN optimization and data deduplication capacity.

	HPE Aruba Networking EdgeConnect Medium-H 4x SFP+ 10x RJ45 AC PSU 2xSSD NAL SD-WAN Gateway (S3N75A)	HPE Aruba Networking EdgeConnect Small-P 4x SFP+ 10x RJ45 AC PSU 2xSSD NAL SD-WAN Gateway (S3N73A)	HPE Aruba Networking EdgeConnect Small-P 4x SFP+ 10x RJ45 DC PSU 2xSSD NAL SD-WAN Gateway (S3N74A)
Ports	LAN/WAN ethernet: 8 x 10/100/1000 (4 LAN/4 WAN) as per IEEE 802.3i, 802.3u, 802.3ab, 802.1Q and 4 x 1/10 Gbps SFP+ optical interfaces that can support pluggable optics Management: 2 x 10/100/1000; Console port	LAN/WAN Ethernet: 8 x 10/100/1000 (4 LAN/4 WAN) as per IEEE 802.3i, 802.3u, 802.3ab, 802.1Q; 4 x 1/10 Gbps Ethernet SFP+ fiber data ports (2 LAN/2 WAN) as per IEEE 802.3z, 802.3ae, 802.1Q Management 2 x 10/100/1000; console port	LAN/WAN Ethernet: 8 x 10/100/1000 (4 LAN/4 WAN) as per IEEE 802.3i, 802.3u, 802.3ab, 802.1Q; 4 x 1/10 Gbps Ethernet SFP+ fiber data ports (2 LAN/2 WAN) as per IEEE 802.3z, 802.3ae, 802.1Q Management 2 x 10/100/1000; console port
Regulatory	EMC: FCC Part 15 Class A; EN 55022 Class A; EN 61000-3-2/3-3 Safety: EN 55024; L/cUL 60950 / 62368; EN 60950 / 62368		
Warranty	See the warranty duration guide		
Connectivity, standard	WAN bandwidth capacity: 50 Mbps to 5 Gbps (bidirectional) Simultaneous connections: 2,000,000 Recommended WAN optimization: up to 1 Gbps Network: WAN link redundancy supported through business intent overlays with multiple link bonding options; LANside protection includes VRRP and BGP; Multiple IPSLA options included Routing: BGP and OSPF support Security: Disk encryption 128bit AES Network encryption (data plane) IPSec (256bit AES) Network encryption (management plane) TLS 1.2	WAN bandwidth capacity: 10 to 3000 Mbps Simultaneous connections: 256,000 Recommended WAN optimization: up to 500 Mbps Network: WAN link redundancy supported through business intent overlays with multiple link bonding options; LAN-side protection includes VRRP and BGP; Multiple IPSLA options included Security: Disk encryption AES-128 Network encryption IPSec (AES-256)	WAN bandwidth capacity: 10 to 3000 Mbps Simultaneous connections: 256,000 Recommended WAN optimization: up to 500 Mbps Network: WAN link redundancy supported through business intent overlays with multiple link bonding options; LAN-side protection includes VRRP and BGP; Multiple IPSLA options included Security: Disk encryption AES-128 Network encryption IPSec (AES-256)
Input voltage	100-240 VAC		

	HPE Aruba Networking EdgeConnect Medium-H 4x SFP+ 10x RJ45 AC PSU 2xSSD NAL SD-WAN Gateway (S3N75A)	HPE Aruba Networking EdgeConnect Small-P 4x SFP+ 10x RJ45 AC PSU 2xSSD NAL SD-WAN Gateway (S3N73A)	HPE Aruba Networking EdgeConnect Small-P 4x SFP+ 10x RJ45 DC PSU 2xSSD NAL SD-WAN Gateway (S3N74A)
Power consumption	153W/522 BTU	AC: 47–63 Hz/111W DC: 48V/103W	AC: 47–63 Hz/111W DC: 48V/103W
Differentiator	Installed on appliance: Fixed rack mount ear brackets with cage nuts and screws for square holes (NAL Compliant - For China Deployment Only) 50 - 5000 Mbps WAN Capacity Supports up to 1Gbps of Boost 2 x 480 GB SSD Includes 2 Power Supplies & 2 Power Cords 8 x 10/100/1000 LAN/WAN Ports 4 x 1/10 Gbps LAN/WAN Ports (Min0/Max4 SFP/SFP+ XCVRs) 1U - Height	Installed on appliance: Fixed rack mount ear brackets with cage nuts and screws for square holes (NAL Compliant - For China Deployment Only) 10 - 2000Mbps WAN Capacity Supports up to 500Mbps of Boost Includes 1 Power Supply & 1 Power Cord Option to add redundant Power Supply and Power Cord 8 x 10/100/1000 LAN/WAN Ports 4 x 1/10 Gbps LAN/WAN Ports (Min0/Max4 SFP/SFP+ XCVRs) 1U - Height	Installed on appliance: Fixed rack mount ear brackets with cage nuts and screws for square holes (NAL Compliant - For China Deployment Only) 10 - 2000Mbps WAN Capacity Supports up to 500Mbps of Boost Includes 1 Power Supply & 1 Power Cord Option to add redundant Power Supply and Power Cord 8 x 10/100/1000 LAN/WAN Ports 4 x 1/10 Gbps LAN/WAN Ports (Min0/Max4 SFP/SFP+ XCVRs) 1U - Height

Related Options

The following options are available for these series:

SKU	Description
Networking Options	
JZ889A	HPE Aruba Networking EC -L/EC-XL-H 480GB Solid State Drive
JZ888A	HPE Aruba Networking EC-L/EC-XL-H 2-Post Center Mount Conversion Bracket Kit
JZ886A	HPE Aruba Networking EC-L/EC-XL-H Sliding and 4-Post Static Rails
JZ894A	HPE Aruba Networking EC-M-H Accessory Kit
JZ954A	HPE Aruba Networking EC-M-H Sliding Rails
JZ893A	HPE Aruba Networking EC-S-P Accessory Kit
JM781A	HPE Aruba Networking EC-S-P Sliding Rail
JZ890A	HPE Aruba Networking EC-XL-H 1.6TB PCI Express Flash NVM
JM965A	HPE Aruba Networking EC-XS A1 Accessory Kit
S3R70A	HPE Aruba Networking EdgeConnect 10010 1.6TB Network Memory Spare Drive
S3P35A	HPE Aruba Networking EdgeConnect 10012 480GB NVMe Boot Drive Kit
S3P32A	HPE Aruba Networking EdgeConnect 10020 4 Post Sliding Rail Kit
S3P33A	HPE Aruba Networking EdgeConnect 10050 800W AC Power Supply Unit
R9Y08A	HPE Aruba Networking EdgeConnect 10104 Accessory Kit
R9H42A	HPE Aruba Networking EdgeConnect 10104 Rack Mount Kit
S2N67A	HPE Aruba Networking EdgeConnect 10150/10170 1.6TB Network Memory Drive Kit
S2D95A	HPE Aruba Networking EdgeConnect EC-10106/EC-10108 54V Power Adapter
S2D96A	HPE Aruba Networking EdgeConnect EC-10106/EC-10108 Accessory Kit
Power Management Options	
JZ887A	HPE Aruba Networking EC-L/EC-XL-H 100-240V 50/60Hz 800W AC Power Supply Unit
JZ955A	HPE Aruba Networking EC-M-H 100-240V 50/60Hz 300W AC Power Supply Unit
JM779A	HPE Aruba Networking EC-S-P AC Power Supply Unit
JM780A	HPE Aruba Networking EC-S-P DC Power Supply Unit
JM996A	HPE Aruba Networking EC-XS A1 Power Adapter
R9Y46A	HPE Aruba Networking EdgeConnect 10104 Power Adapter
Transceiver Options	
JL746A	HPE Aruba Networking 1G SFP LC LX 10km SMF TAA Transceiver
J4859D	HPE Aruba Networking 1G SFP LC LX 10km SMF Transceiver
JL745A	HPE Aruba Networking 1G SFP LC SX 500m MMF TAA Transceiver

J4858D	HPE Aruba Networking 1G SFP LC SX 500m OM2 MMF Transceiver
J9153D	HPE Aruba Networking 10G SFP+ LC ER 40km SMF Transceiver
J9151E	HPE Aruba Networking 10G SFP+ LC LR 10km SMF Transceiver
J9150D	HPE Aruba Networking 10G SFP+ LC SR 300m OM3 MMF Transceiver
JL563C	HPE Aruba Networking 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver
JL486A	HPE Aruba Networking 25G SFP28 LC LR 10km SMF Transceiver
JL484A	HPE Aruba Networking 25G SFP28 LC SR 100m MMF Transceiver
JL489A	HPE Aruba Networking 25G SFP28 to SFP28 5m Direct Attach Copper Cable
JM532A	HPE Aruba Networking EC-SFP28-25G-LR Single Mode SFP28
JM533A	HPE Aruba Networking EC-SFP28-25G-SR Multi Mode SFP28
JM534A	HPE Aruba Networking EC-SFP-LR Single Mode SFP+
JM535A	HPE Aruba Networking EC-SFP-SR Multi Mode SFP+
S3R03A	HPE Aruba Networking EdgeConnect 1G SFP RJ45 100m Cat5e Transceiver
R9Y49A	HPE Aruba Networking EdgeConnect 1000BASE-T Copper SFP Transceiver Module

Related Services

The following services are available for these series:

SKU	Description
Technology Services	
H07BKE	HPE Networking Essential Care 1 year Next Day EC10150GTWY Service
H07BLE	HPE Networking Essential Care 3 years Next Day EC10150GTWY Service
H45D5E	HPE Networking Essential Care 3 years Next Day EC-10108 Service
H43N3E	HPE Networking Essential Care 3 years Next Day EC-S-P Service
H44E3E	HPE Networking Essential Care 5 years Next Day EC-L-H Service
H44Z4E	HPE Networking Services-Essential Care 1 Year Next Day Support EC-10104
H45D0E	HPE Networking Services-Essential Care 1 Year Next Day Support EC-10106
H45D4E	HPE Networking Services-Essential Care 1 Year Next Day Support EC-10108
H44F6E	HPE Networking Services-Essential Care 1 Year Next Day Support EC-L-H
H43V0E	HPE Networking Services-Essential Care 1 Year Next Day Support EC-M-H
H43N2E	HPE Networking Services-Essential Care 1 Year Next Day Support EC-S-P
H44Z5E	HPE Networking Services-Essential Care 3 Year Next Day Support EC-10104
H45D1E	HPE Networking Services-Essential Care 3 Year Next Day Support EC-10106
H44F7E	HPE Networking Services-Essential Care 3 Year Next Day Support EC-L-H
H43V1E	HPE Networking Services-Essential Care 3 Year Next Day Support EC-M-H

H07BME	HPE Networking Services-Essential Care 5 Year Next Day Support EC10150GTWY
H44Z7E	HPE Networking Services-Essential Care 5 Year Next Day Support EC-10104
H45D3E	HPE Networking Services-Essential Care 5 Year Next Day Support EC-10106
H45D7E	HPE Networking Services-Essential Care 5 Year Next Day Support EC-10108
H44F1E	HPE Networking Services-Essential Care 5 Year Next Day Support EC-M-H
H43N5E	HPE Networking Services-Essential Care 5 Year Next Day Support EC-S-P

HPE Aruba Networking Services

HPE Aruba Networking services simplify and accelerate the network technology lifecycle, enabling your network to scale with better predictability and cost-effectiveness. Whether you operate your own network and need to improve your IT efficiencies, or you want to offload some of the burden, we have the services you need to reach your goals.

Learn more about what HPE Services - Aruba Networking has to offer at: hpe.com/edge/services

Support Services

Our support portfolio provides the essential support elements as well as proactive and preventive features to help you improve your team's productivity and get the most from your network. Our support customers benefit from faster issue resolution, simplified operations and efficiencies, and reduced network issues.

Professional Services

With deep intellectual capital and purpose-built tools, our team delivers a range of standard and custom professional services designed to accelerate your value from HPE Aruba Networking technology.

Project based services include:

— Planning, audit, and assessment
— Architecture review and design
— Deployment, migration, and knowledge transfer

Annual subscription services include:

— Network optimization
— Intelligent Operations
— Customer Experience Management

Our Education Services allow your team to come up to speed quickly.

GreenLake for Networking

Deliver innovative business outcomes by leveraging new ways to consume, deploy and manage networks.

For additional technical information, available models and options, please reference the QuickSpecs

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PSN1014658646NZEN, November, 2026.

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