

Overview

HPE Aruba Networking EdgeConnect SD-WAN Gateways

As cloud-based application adoption continues to accelerate, geographically distributed enterprises increasingly view the wide area network (WAN) as critical to connecting users to applications. As enterprise applications migrate from the corporate data center to the cloud, private line connections such as multiprotocol label switching (MPLS) have proven to be overly rigid and expensive. With greater reliance on the internet, the opportunity to achieve “cloud speed” is better served by integrating broadband services into the WAN transport mix.

The HPE Aruba Networking EdgeConnect SD-WAN Gateways enables enterprises to improve application performance and dramatically reduce the cost and complexity of building a WAN by leveraging broadband to connect users to applications.

Additionally, HPE Aruba Networking EdgeConnect SD-WAN Gateways provides a secure network foundation for Zero-Trust and SASE frameworks. The solution includes a next-generation firewall with fine-grained segmentation and identity-based access control capabilities, as well as IDS/IPS and DDoS defense to protect branch locations from malicious activities. The solution also tightly integrates with leading cloud security providers to build a best-of-breed SASE architecture.

Recognized by an independent, third-party organization, HPE Aruba Networking EdgeConnect SD-WAN Gateways has earned the Secure SD-WAN certification from ICSA Labs thanks to its advanced SD-WAN and security features.



Three components comprise the HPE Aruba Networking EdgeConnect SD-WAN Gateways:

- **HPE Aruba Networking EdgeConnect SD-WAN Gateways** physical or virtual SD-WAN appliances (supporting any common hypervisors and public clouds) deployed in branch offices to create a secure, virtual network overlay. This enables customers to move to a broadband WAN at their own pace, whether site-by-site, or via a hybrid WAN approach that leverages MPLS and broadband internet connectivity.
- **HPE Aruba Networking WAN Orchestrator**, included with the HPE Aruba Networking EdgeConnect SD-WAN Gateways, provides unprecedented levels of visibility into both legacy and cloud applications with the unique ability to centrally assign policies based on business intent to secure and control all WAN traffic. Policy automation speeds and simplifies the deployment of multiple branch offices and enables consistent policies across applications. Moreover, customers can launch the HPE Aruba Networking WAN Orchestrator software directly from HPE Aruba Networking Central. HPE Aruba Networking Central provides the ability to view the enterprise-wide SD-WAN topology, health status, and alarms of all EdgeConnect Enterprise appliances in the SD-WAN in addition to other HPE Aruba Networking wired and wireless network devices.

Overview

- **HPE Aruba Networking WAN Boost** WAN Optimization is an optional WAN optimization performance pack that combines HPE Aruba Networking WAN optimization technologies with HPE Aruba Networking EdgeConnect SD-WAN Gateways to create a single, unified WAN edge platform. HPE Aruba Networking WAN Boost allows companies to accelerate performance of latency-sensitive applications and minimize transmission of repetitive data across the WAN in a single, unified SD-WAN edge platform.
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Standard Features

HPE Aruba Networking EdgeConnect SD-WAN Gateways Key Features

- **Business Intent Overlays:** HPE Aruba Networking EdgeConnect SD-WAN Gateways is built upon an application-specific virtual WAN overlay model. Multiple overlays may be defined to abstract the underlying physical transport services from the virtual overlays, each supporting different QoS, transport, failover, and security policies. Groups of applications are mapped to different business intent overlays to deliver applications to users in alignment with business requirements. Business intent overlays may also be deployed to extend micro-segmentation of specific application traffic from the data center across the WAN to help maintain security compliance mandates.
- **Path Conditioning:** This feature provides private-line-like performance over the public internet. Includes techniques to overcome the adverse effects of dropped and out-of-order packets that are common with broadband internet and MPLS connections to improve application performance.
- **Tunnel Bonding:** Configured from two or more physical WAN transport services, bonded tunnels form a single logical overlay connection, aggregating the performance of all underlying links. Real-time traffic steering is applied over any broadband or MPLS link, or any combination of links based on company-defined policies based upon business intent. In the event of an outage or brownout, HPE Aruba Networking EdgeConnect SD-WAN Gateways automatically continues to carry traffic on the remaining links or switches over to a secondary connection. Network traffic traversing an HPE Aruba Networking EdgeConnect SD-WAN Gateways SD-WAN can be tuned for availability, quality, throughput, and efficiency. This is accomplished on a per-application basis through the use of Business Intent Overlays. Multiple business intent policies can be created, each with its own specific bonding policy. As part of this policy definition, the customers have the ability to customize the link prioritization and traffic steering policies based on multiple criteria, including physical performance characteristics, link economics, link resiliency characteristics and customer-definable attributes.
- **First-packet iQ Application Classification:** HPE Aruba Networking EdgeConnect SD-WAN Gateways First-packet iQ application classification identifies applications on the first packet to deliver trusted SaaS and web traffic directly to the Internet while directing unknown or suspicious traffic to the data center firewall or IDPS. Identifying applications on the first packet is especially important when branches are deployed behind Network Address Translation (NAT); the correct path must be selected based on the first packet to avoid session interruption.
- **Secure Internet Breakout:** Granular, intelligent traffic steering enabled by First-packet iQ eliminates the inefficiency of backhauling all HTTP/HTTPS traffic to the data center. The solution eliminates the potential for wasted bandwidth and performance bottlenecks for trusted SaaS and web traffic. Trusted traffic is sent directly across the Internet while unknown or suspicious traffic may be sent automatically to more robust security services in accordance with corporate security policies.
- **Best-of-Breed Secure Access Service Edge (SASE):** HPE Aruba Networking EdgeConnect SD-WAN Gateways automates the integration with leading cloud security partner solutions from Zscaler, Netskope, Check Point, Palo Alto Networks, McAfee, Symantec, and others to create a seamless secure access service edge architecture. Automated orchestration, using a drag-and-drop interface, enables IT to configure consistent enterprise-wide security policies based on business requirements.
- **Next-generation Firewall:** HPE Aruba Networking EdgeConnect SD-WAN Gateways includes a next-generation firewall that provides in a single entity, advanced security features such as deep packet inspection, intrusion prevention, DDoS defense, as well as application and user identity awareness. It gives IT leaders the ability to block malware from entering the network based on application, identity and context, regardless of the port/protocol used. Additionally, IT leaders benefit from an increased visibility into network activity and potential risks.
- **Fine-grained Segmentation:** HPE Aruba Networking ClearPass integration with HPE Aruba Networking EdgeConnect SD-WAN Gateways augments application intelligence with the user and device identity and role-based policy, enabling fine-grained segmentation. The additional identity-based context enables consistent security policy enforcement that can be enforced network-wide, from edge to the cloud, while also accelerating troubleshooting and problem resolution.
- **Intrusion Detection and Prevention:** HPE Aruba Networking EdgeConnect SD-WAN Gateways integrates a rule-based Intrusion Detection and Prevention System (IDPS) and utilizes the common HPE Aruba Networking Unified Threat Management (UTM) framework. The signature-based system monitors network traffic to find patterns that match a particular attack signature. Integrated with EdgeConnect next-generation firewall, the system allows application-level selection for inspection based on firewall zones, and provides actions such as drop, inspect, and allow traffic when an intrusion is detected. Threat logging provides network and security analytics back to HPE Aruba Networking Central or a third-party SIEM such as Splunk to monitor threats in real time, enabling IT to quickly take action.

Standard Features

- **DDoS Defense:** HPE Aruba Networking EdgeConnect SD-WAN Gateways detects and prevents attacks such as protocol attacks, ICMP floods, SYN floods, IP spoofing attacks and more. Using firewall protection profiles, the solution ensures strict state handling and limits the number of malicious requests with actions such as rapid aging, drop excess and block source. Actions are based on preset or configurable DoS thresholds set for traffic parameters including flow rate, concurrent flows, and embryonic flows. With firewall protection profiles, administrators can enforce different levels of DDoS protection levels across the organization by binding firewall protection profiles to firewall zones. The solution can also block a list of IP addresses from known attackers and dynamically routes the traffic over unaffected network links in case of a DDoS attack ensuring business continuity.
- **Routing:** HPE Aruba Networking EdgeConnect SD-WAN Gateways supports standard Layer 2 and Layer 3 open networking protocols such as VLAN (802.1Q), LAG (802.3ad), IPv4 and IPv6 forwarding, GRE, IPsec, VRRP, WCCP, PBR, BGP (version 4), OSPF.
- **High Availability:** HPE Aruba Networking EdgeConnect SD-WAN Gateways HA cluster protects from hardware, software, and transport failures. High Availability is achieved by providing fault tolerance on both the network side (WAN) and on the equipment side. HPE Aruba Networking EdgeConnect SD-WAN Gateways appliances are inter-connected with a HA link that allows tunnels over each underlay to connect to both appliances.
- **Zero-Touch Provisioning:** A plug-and-play deployment model enables HPE Aruba Networking EdgeConnect SD-WAN Gateways to be deployed at a branch office in seconds, automatically connecting with other HPE Aruba Networking EdgeConnect SD-WAN Gateways instances in the data center, other branches, or in cloud Infrastructure as a Service (IaaS) such as Amazon Web Services, Microsoft Azure, Oracle Cloud Infrastructure and Google Cloud Platform.
- **WAN Hardening:** Each WAN overlay is secured edge-to-edge via 256-bit AES encrypted tunnels. No unauthorized outside traffic can enter the branch. With the option to deploy HPE Aruba Networking EdgeConnect SD-WAN Gateways directly onto the internet, WAN hardening secures branch offices without the appliance sprawl and operating costs of deploying and managing dedicated firewalls.

HPE Aruba Networking WAN Orchestrator Key Features

- **Single Screen Administration:** Enables quick and easy implementation of network-wide business intent policies, which eliminates complex and error-prone policy changes at every branch.
- **Real-Time Monitoring and Historical Reporting:** Provides specific details into application, location, and network statistics, including continuous performance monitoring of loss, latency, and packet ordering for each enterprise customers' network path. All HTTP and native application traffic are identified by name and location, and alarms and alerts allow for faster resolution of network issues.
- **Bandwidth Cost Savings Reports:** Documents the cost savings for moving to broadband connectivity.

Integration with Microsoft Azure Virtual WAN (vWAN) and AWS Transit Gateway Network Manager (TGNM)

By integrating the Microsoft Azure vWAN and AWS Transit Gateway Network Manager (TGNM) REST APIs, the HPE Aruba Networking EdgeConnect SD-WAN Gateways enables customers to quickly build a cloud on-ramp and automate network deployments, removing the manual complexity of connecting branch offices to local Azure or AWS Points of Presence (PoPs). The API integration enables HPE Aruba Networking EdgeConnect SD-WAN Gateways to identify the locations of branches in the network and determine the closest VPN Gateway (vWAN hub or head-end gateway in AWS) to connect to. HPE Aruba Networking EdgeConnect SD-WAN Gateways automatically establishes standards-based IPsec tunnels and configuring both tunnel endpoints for each branch to a VPN Gateway.

Key Features:

- Automate branch connectivity to Azure and AWS Points of Presence (PoPs)
- Simplify network expansion and troubleshooting
- Faster onboarding to applications and workloads — both to and from Azure and AWS
- Optimized routing within Azure or AWS network
- Centralized Network Monitoring
- Global Network Visibility
- Cohesive policy configuration



Standard Features

Delivering the Highest Quality of Experience for Microsoft 365

With the Microsoft 365 REST API integration, HPE Aruba Networking continuously learns and discovers new Microsoft 365 end points and/or IP addresses and automatically re-configures HPE Aruba Networking EdgeConnect SD-WAN Gateways if a new, closer Microsoft 365 end point becomes available. By doing so, users always achieve optimal Office 365 connectivity and performance by reducing the round-trip time (RTT). HPE Aruba Networking EdgeConnect SD-WAN Gateways has been independently tested and certified to support the Microsoft 365 Connectivity Principles. As a result of the independent testing, the HPE Aruba Networking EdgeConnect SD-WAN Gateways platform has been inducted into the Microsoft Office 365 Networking Partner Program and has been given the official “Works with Microsoft 365” designation.

Extend WAN Fabric to the Cloud

Deploy virtual HPE Aruba Networking EdgeConnect SD-WAN Gateways appliances in a public cloud such as AWS, Azure, Google Cloud Platform, or Oracle Cloud to optimize connections between branch locations and the cloud using all the SD-WAN benefits. If a brownout or blackout occurs, the remaining link(s) continue to carry traffic so that users don't notice any disruption to voice calls, audio and video conferences, or any other application. Ruggedized first mile between the branch and the public cloud delivers better network performance, reliability, and quality.

Zero Trust: Securing the Edge by Role, Context, and Application

With the increase in mobile devices, remote workers, cloud-hosted applications, and IoT connected devices, enterprises must align their security policies based on business intent while also striving for consistency. HPE Aruba Networking ClearPass integration with HPE Aruba Networking EdgeConnect SD-WAN Gateways augments application intelligence with user and device identity and role-based policy, enabling fine-grained segmentation. This additional identity-based context enables consistent security policies that can be enforced network-wide, from edge to cloud, while also accelerating troubleshooting and problem resolution.

As a new user or device connects to the network and registers with ClearPass, the HPE Aruba Networking WAN Orchestrator (control plane for HPE Aruba Networking EdgeConnect SD-WAN Gateways) connects via the ClearPass API. HPE Aruba Networking WAN Orchestrator propagates security policy information related to user, device type, role, and security posture to all HPE Aruba Networking EdgeConnect SD-WAN Gateways appliances in the network.

Because IoT devices are agentless, it is not possible to run a third-party VPN or ZTNA client on them. Thus, a SASE architecture doesn't fully address the security challenges posed by the IoT devices in the enterprise network.

With the HPE Aruba Networking ClearPass zero trust security framework, the network can identify and segment IoT devices and traffic at the network edge and isolate it from other traffic in the network. This new layer of context enables fine-grained segmentation without the complexity of managing multiple VLANs.

For example, a fine-grained segmentation policy can prevent IoT security cameras from accessing credit card transactions or HVAC systems. Zero trust dynamic segmentation helps enterprises isolate any potential security threats by device type, role, and application while helping them meet industry compliance requirements such as PCI, HIPAA, and SOX.

Virtual Routing and Forwarding (VRF) Segmentation

Network managers can configure and manage separate addressing, routing and security policies consistently with the HPE Aruba Networking EdgeConnect SD-WAN Gateways across end-to-end segments and micro-segments for traffic traversing large-scale multinational enterprises and federations of independent companies. Advanced segmentation eliminates the arduous task of manually stitching together VRF, firewall and NAT policies in a consistent manner, dramatically simplifying the management of diverse scenarios and providing unprecedented flexibility when contending with overlapping IP b spaces.

Splunk Integration

Security information and event management (SIEM) tools help to proactively identify potential security threats and vulnerabilities before they have a chance to disrupt business operations and affect revenue. HPE Aruba Networking has introduced a custom application for Splunk, called HPE Aruba Networking EdgeConnect Security App. Easily downloadable from Splunkbase, this app leverages the network data provided by the HPE Aruba Networking EdgeConnect SD-WAN Gateways with Splunk's extensive investigation and visualization capabilities to deliver advanced security reporting and analysis. Compatible with both Splunk Enterprise and Splunk Cloud, the HPE Aruba Networking EdgeConnect Security App provides a dashboard view of all security event notifications stemming from EdgeConnect Enterprise devices. Using Splunk, IT can filter, sort, navigate, and view the collective security event notifications generated across the entire SD-WAN fabric, overall trends, and top talkers to help organizations pinpoint network events that warrant further investigation.



Standard Features

Support for Custom User-Defined Applications

Many organizations continue to support applications customized for or internal to the company that are hosted in the corporate data center. Such custom applications are critical for the enterprise and with the HPE Aruba Networking EdgeConnect SD-WAN Gateways, customers can ensure optimal performance of these applications. From HPE Aruba Networking WAN Orchestrator, IT can easily configure a custom application definition that enables HPE Aruba Networking EdgeConnect SD-WAN Gateways to identify it on the first packet.

Efficient DNS Query Resolution

A critical step in the DNS proxy is to resolve the DNS query quickly. With HPE Aruba Networking EdgeConnect SD-WAN Gateways, customers can reach DNS servers in close proximity to branch sites eliminating backhaul of the DNS request to the remote data centers where enterprise DNS servers are hosted. From the branch location itself, DNS requests can be made directly to Global DNS servers, which reduces the impact of latency in establishing a SaaS application session, thereby improving SaaS application performance.

HPE Aruba Networking EdgeConnect SD-WAN Gateways to identify it on the first packet.

HPE Aruba Networking WAN Orchestrator Enables Faster SD-WAN Deployments

HPE Aruba Networking WAN Orchestrator, included with HPE Aruba Networking EdgeConnect SD-WAN Gateways for on-premise installations and available as an optional HPE Aruba Networking cloud-hosted service subscription, enables zero-touch provisioning of HPE Aruba Networking EdgeConnect SD-WAN Gateways appliances in the branch. HPE Aruba Networking Orchestrator automates the assignment of business intent policies to ensure faster and easier connectivity across multiple branches, eliminating the configuration drift that can come from manually updating rules and access control lists (ACLs) on a site-by-site basis. HPE Aruba Networking WAN Orchestrator enables customers to:

- Avoid WAN reconfigurations by delivering applications to users in customized virtual overlays
- Align application delivery to business goals through virtual WAN overlays based on business intent
- Simplify branch deployments with HPE Aruba Networking EdgeConnect SD-WAN Gateways profiles that describe the virtual and physical configuration of the location

In addition to centralized and automated control of the entire SD-WAN topology, HPE Aruba Networking WAN Orchestrator provides specific detail into WAN performance, including:

- Detailed reporting on application, location, and network statistics
 - Continuous performance monitoring of throughput, loss, latency, jitter, and packet ordering for all network paths
 - Identification of all application traffic by name and location
 - Alarms and alerts to visualize and prioritize software and hardware issues within the WAN allow for faster problem resolution
 - Bandwidth cost savings report for documenting the cost savings of moving to broadband
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Gain Control Over the Cloud

Gain an accurate picture of how Infrastructure-as-a-Service (IaaS) and Software-as-a-Service (SaaS) and are being used within your organization.

- Name-based identification and reporting of all cloud applications
 - Tracking of SaaS provider network traffic
 - Cloud Intelligence provides Internet mapping of optimal egress to SaaS services
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Edge to Cloud Security

Advanced capabilities provide cloud-first enterprises with the control to centralize and automate security policy governance and safely connect users directly to applications. They enable distributed enterprises to centrally segment users, applications and WAN services into secure zones based on identity, access rights, and security posture. Least privileged access principles are applied, ensuring that users and devices only communicate with destinations consistent with their role. HPE Aruba Networking EdgeConnect SD-WAN Gateways also offers advanced threat defense capabilities including intrusion detection and prevention as well as DDoS protection. Additionally, the solution is tightly integrated with leading SSE (Security Service Edge) vendors, providing advanced security features such as ZTNA (Zero-Trust Network Access), CASB (Cloud Access Security Broker) and SWG (Secure Web Gateway) to build a best-of-breed SASE architecture.



Standard Features

Secure SD-WAN Certification by Icsa Labs

The HPE Aruba Networking EdgeConnect SD-WAN Gateways has earned the ICSA Labs Secure SD-WAN certification, passing rigorous testing based on a comprehensive and robust set of SD-WAN features and platform security requirements.

ICSA Labs Secure SD-WAN certification requirements include:

- **Advanced SD-WAN features** such as tunnel bonding, dynamic path selection and zero-touch provisioning
- **Native support (or via service chaining) for advanced security** functions such as anti-malware, intrusion prevention and DoS protection
- **Encryption** of sensitive data, as well as administrative and operational communications
- **Policy enforcements** for both WAN-specific functions and security policies
- **Security events logging**

The globally recognized certification provides the assurance of using a secure SD-WAN solution certified by a recognized independent, third-party organization. It also enables enterprises to simplify network architecture by securely replacing traditional branch firewalls with HPE Aruba Networking EdgeConnect SD-WAN Gateways.

Boost Application Performance as Needed

HPE Aruba Networking WAN Boost is an optional WAN Optimization performance that includes:

- **Latency Mitigation:** TCP and other protocol acceleration techniques are applied to all traffic, minimizing the effects of latency on application performance, and significantly improving application response times across the WAN.
- **Data Reduction:** Data compression and deduplication eliminates the repetitive transmission of duplicate data. HPE Aruba Networking Boost inspects WAN traffic at the byte-level and stores content in local data stores. Advanced finger-printing techniques recognize repetitive patterns for local delivery. Data Reduction can be applied to all IP-based protocols, including TCP and UDP.

Why Add HPE Aruba Networking WAN Boost?

HPE Aruba Networking EdgeConnect SD-WAN Gateways appliances alone provide enhanced application performance for broadband or hybrid WAN deployments, utilizing the included packet-based tunnel bonding, dynamic path control (DPC), and path conditioning for overcoming the adverse effects of dropped and out-of-order packets that are common with Internet connections.

However, sometimes additional performance is needed for specific applications or locations. As distance between locations increases over the WAN, application performance degrades.

This has less to do with the available bandwidth and is more about the time it takes to send and receive data packets over distance, and the number of times data must be re-sent.

HPE Aruba Networking WAN Boost Use Case Examples

- Customers replicating to a disaster recovery (DR) site thousands-of-miles away might want to add HPE Aruba Networking WAN Boost to ensure recovery point objectives (RPOs) are not compromised.
- Enterprises with remote sites located in rural areas, or with sites that are exceptionally farther away from the company's data center, might want to add HPE Aruba Networking Boost to overcome the effects of high latency. With HPE Aruba Networking WAN Boost, customers gain the flexibility to enable enhanced WAN optimization capabilities where and when it is needed in a fully integrated solution. HPE Aruba Networking Boost is licensed per-megabit-per-second, per-month, so customers do not have to pay for WAN optimization across the entire network.

Overcome Effects of Latency

The time it takes for information to go from sender to receiver and back is referred to as network latency. Since the speed of light is constant, WAN latency is directly proportional to the distance travelled between the two network endpoints. HPE Aruba Networking offers a variety of TCP acceleration techniques to mitigate WAN latency, including Window Scaling, Selective Acknowledgement, Round-Trip Measurement, and High-Speed TCP.



Standard Features

Windows and other applications that rely on the Common Internet File System (CIFS) often take longer to perform common file operations over distance, such as retrieving and sharing files. HPE Aruba Networking WAN Boost helps these applications not only by improving the underlying TCP transport, but also by accelerating CIFS through CIFS read-ahead, CIFS write-behind, and CIFS metadata optimizations.

Increase Throughput

As packets flow through HPE Aruba Networking EdgeConnect SD-WAN Gateways appliances, HPE Aruba Networking WAN Boost inspects WAN traffic at the byte-level and stores content in local data stores. As new packets arrive, HPE Aruba Networking computes fingerprints of the data contained within the packets and checks to see whether these fingerprints match data that is stored locally.

If the remote appliance contains the information, there is no need to resend it over the WAN. Instead, specific start-stop instructions are sent to deliver the data locally.



Service and Support

HPE Aruba Networking EdgeConnect SD-WAN Gateways Subscription Licensing

HPE Aruba Networking EdgeConnect SD-WAN Gateways licenses are sold as a subscription, in either single or multi-year increments (1, 2, 3, 4 and 5 years) at multiple bandwidth tiers.

HPE Aruba Networking EdgeConnect SD-WAN Gateways includes HPE Aruba Networking WAN Orchestrator that can be installed either on premise or in a customer's virtual private cloud. An optional cloud-hosted HPE Aruba Networking WAN Orchestrator license provides a highly reliable alternative deployment model supporting all HPE Aruba Networking WAN Orchestrator features without the complexity of managing on premise virtual compute and storage resources. Large global enterprises with multiple business units (BU) or subsidiaries that have a requirement to support different regional QoS or security policies can optionally deploy HPE Aruba Networking WAN Orchestrator Global Enterprise. This cloud-hosted SaaS application centrally manages and monitors multiple HPE Aruba Networking EdgeConnect SD-WAN Gateways fabrics.

HPE Aruba Networking WAN Boost is an optional WAN optimization performance pack that may be ordered and deployed flexibly to sites that require application acceleration. HPE Aruba Networking WAN Boost is offered in 100Mbps or 10Gbps blocks.

HPE Aruba Networking EdgeConnect SD-WAN Gateways Technical Support

| | |
|---------------------------------|---|
| Term | Support is included as part of the HPE Aruba Networking EdgeConnect SD-WAN Gateways subscription license |
| Web-based support portal | Unlimited access 24 / 7 / 365 includes software downloads, technical documentation, and online knowledge base |
| Software Updates | Major and minor features releases; maintenance releases |
| Technical Support | 24 / 7 / 365 phone / e-mail / web (Global Technical Assistance Centers — TAC) |
| Response Time | 30 minutes for high priority (P1) — critical |
| Warranty and Maintenance | Refer to the HPE Aruba Networking EdgeConnect Enterprise warranty and maintenance policies data sheet for further information |



Configuration Information

HPE Aruba Networking EdgeConnect SD-WAN Gateways

BTO Models

| Rule # | Description | SKU |
|---------------|--|------------|
| | HPE Aruba Networking EdgeConnect-10100 Branch Gateways | |
| 1,2 | HPE Aruba Networking EdgeConnect 10104 4x RJ45 10/100/1000 Gateway | R9D72A |
| Notes: | 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 10/100/1000 SD-WAN Gateway NoLoc | R9D72A#AC3 |
| Notes: | No Power Cord | |
| 1,2,3 | HPE Aruba Networking EdgeConnect 10106 2x PoE 2x combo 2x SFP+ SD-WAN Gateway | S0E22A |
| Notes: | 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 | |
| | HPE Aruba Networking EdgeConnect 10106 2x PoE 2x combo 2x SFP+ SD-WAN Gateway No Loc | S0E22A#AC3 |
| Notes: | No Power Cord | |
| | Ultra-Small | |
| | Aruba EC-US 3x RJ45 10/100/1000 SD-WAN Gateway | JM799A |
| | <ul style="list-style-type: none"> Standard table-top appliance. Included in packaging box: Table top rubber feet and External Power Supply Up to 100Mbps WAN Capacity Supports up to 25Mbps of Boost Includes 1 Power Adapter & 1 Power Cord 3 x 10/100/1000 LAN/WAN Ports 1U - Height | |
| | Aruba EC-US 3x RJ45 10/100/1000 SD-WAN Gateway No Loc | JM799A#AC3 |
| | <ul style="list-style-type: none"> No Power Cord | |
| | Extra-Small | |
| | HPE Aruba Networking EC-XS 4x RJ45 10/100/1000 SD-WAN Gateway | JM962A |
| | <ul style="list-style-type: none"> Standard table- top appliance. Included in packaging box: Table top rubber feet and External Power Supply 2 - 1000 Mbps WAN Capacity Supports up to 250Mbps of Boost Includes 1 Power Adapter & 1 Power Cord 4 x 10/100/1000 LAN/WAN Ports 1U - Height | |
| | HPE Aruba Networking EC-XS 4x RJ45 10/100/1000 SD-WAN Gateway NoLoc | JM962A#AC3 |
| | <ul style="list-style-type: none"> No Power Cord | |

Configuration Information

Small

HPE Aruba Networking EC-S-P 8x RJ45 10/100/1000 4x SFP+ 1/10G SD-WAN Gateway JM538A

- Installed on appliance: Fixed rack mount ear brackets with cage nuts and screws for square holes
- 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

HPE Aruba Networking EC-S-P 8x RJ45 10/100/1000 4x SFP+ 1/10G SD-WAN Gateway NoLoc JM538A#AC3

- No Power Cord

HPE Aruba Networking EC-S-P-DC 8x RJ45 10/100/1000 4x SFP+ 1/10G SD-WAN Gateway JM769A

- Installed on appliance: Fixed rack mount ear brackets with cage nuts and screws for square holes
- 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

Configuration Rules

Rule

Description

- 1 [Localization required on orders without AC3 options. Refer to HPN Localization Table.](#)
[OCA Only: Required Custom Choice \(Min1/Max1\)](#)
[Localized Power Cord - Default Option](#)
[No Power Cord - AC3 Option](#)
- 2 [The following SFP+ Transceivers install into this Gateway's SFP+ Ports:](#)
HPE Aruba Networking EC-SFP-LR Single Mode SFP+ JM534A
HPE Aruba Networking EC-SFP-SR Multi Mode SFP+ JM535A
- 3 [The following SFP+ Transceivers install into this Gateway's SFP+ Ports:](#)
HPE Aruba Networking 1G SFP LC SX 500m OM2 MMF Transceiver J4858D
HPE Aruba Networking 1G SFP LC LX 10km SMF Transceiver J4859D
HPE Aruba Networking 1G SFP LC SX 500m MMF TAA Transceiver JL745A
HPE Aruba Networking 1G SFP LC LX 10km SMF TAA Transceiver JL746A
HPE Aruba Networking 10G SFP+ LC SR 300m OM3 MMF Transceiver J9150D
HPE Aruba Networking 10G SFP+ LC LR 10km SMF Transceiver J9151E
HPE Aruba Networking 10G SFP+ LC ER 40km SMF Transceiver J9153D

Notes: [OCA Only Model Selection Form - HPE Aruba Networking > SD-WAN > HPE Aruba Networking EdgeConnect SD-WAN Gateways: Hub Gateways](#)



Configuration Information

HPE Aruba Networking EdgeConnect SD-WAN Gateways Options

| Transceivers | | |
|----------------------------|--|------------|
| Rule # | Description | SKU |
| SFP+ Transceivers | | |
| | HPE Aruba Networking EC-SFP-LR Single Mode SFP+ | JM534A |
| | HPE Aruba Networking EC-SFP-SR Multi Mode SFP+ | JM535A |
| | HPE Aruba Networking 1G SFP LC SX 500m OM2 MMF Transceiver | J4858D |
| | HPE Aruba Networking 1G SFP LC LX 10km SMF Transceiver | J4859D |
| | HPE Aruba Networking 1G SFP LC SX 500m MMF TAA Transceiver | JL745A |
| | HPE Aruba Networking 1G SFP LC LX 10km SMF TAA Transceiver | JL746A |
| | HPE Aruba Networking 10G SFP+ LC SR 300m OM3 MMF Transceiver | J9150D |
| | HPE Aruba Networking 10G SFP+ LC LR 10km SMF Transceiver | J9151E |
| | HPE Aruba Networking 10G SFP+ LC ER 40km SMF Transceiver | J9153D |
| Power Accessories | | |
| | System (std 1 // max 2) User Selection (min 0 // max 1) per Solution | |
| 1, 3 | HPE Aruba Networking EC-S-P AC Power Supply Unit | JM779A |
| | HPE Aruba Networking EC-S-P AC Power Supply Unit NoLoc | JM779A#AC3 |
| 2 | HPE Aruba Networking EC-S-P DC Power Supply Unit | JM780A |
| | <ul style="list-style-type: none"> DC PSU = No Localization | |
| Configuration Rules | | |
| Rule # | Description | SKU |
| 1 | This PSU is compatible with the following EC-S Appliances only: | |
| | HPE Aruba Networking EC-S-P 8x RJ45 10/100/1000 4x SFP+ 1/10G SD-WAN Gateway | JM538A |
| 2 | This PSU is compatible with the following EC-S Appliances only: | |
| | HPE Aruba Networking EC-S-P-DC 8x RJ45 10/100/1000 4x SFP+ 1/10G SD-WAN Gateway | JM769A |
| 3 | Localization required on orders without AC3 options. Refer to HPN Localization Table. | |
| | OCA Only: Required Custom Choice (Min1/Max1) | |
| | Localized Power Cord - Default Option | |
| | No Power Cord - AC3 Option | |
| Accessories | | |
| 2 | HPE Aruba Networking EC-XS A1 Accessory Kit | JM965A |
| 3 | HPE Aruba Networking EC-S-P Sliding Rail | JM781A |
| 3 | HPE Aruba Networking EC-S-P Accessory Kit | JZ893A |
| 4 | HPE Aruba Networking EdgeConnect 10104 Rack Mount Kit | R9H42A |
| 4 | HPE Aruba Networking EdgeConnect 10104 Accessory Kit | R9Y08A |
| 5 | HPE Aruba Networking EdgeConnect EC-10106/EC-10108 Accessory Kit | S2D96A |
| Configuration Rules | | |
| Rule # | Description | SKU |
| 2 | This Accessory is compatible with the following EC-XS Appliances only: | |
| | HPE Aruba Networking EC-XS 4x RJ45 10/100/1000 SD-WAN Gateway | JM962A |
| 3 | This Accessory is compatible with the following EC-S Appliances only: | |
| | HPE Aruba Networking EC-S-P 8x RJ45 10/100/1000 4x SFP+ 1/10G SD-WAN Gateway | JM538A |
| 4 | This Accessory is compatible with the following EC-10104 Gateways only: | |
| | HPE Aruba Networking EdgeConnect 10104 4x RJ45 10/100/1000 Gateway | R9D72A |
| 5 | This Accessory is compatible with the following EC-10104 Gateways only: | |
| | HPE Aruba Networking EdgeConnect 10106 2x PoE 2x combo 2x SFP+ SD-WAN Gateway | S0E22A |

Configuration Information

Spares

| | | |
|---|--|--------|
| 1 | HPE Aruba Networking EC-US A1 Power Adapter | JM815A |
| | • Spare | |
| 2 | HPE Aruba Networking EC-XS A1 Power Adapter | JM996A |
| | • Spare | |
| 3 | HPE Aruba Networking EdgeConnect 10104 Power Adapter | R9Y46A |
| | • Spare | |
| 4 | HPE Aruba Networking EdgeConnect EC-10106/EC-10108 54V Power Adapter | S2D95A |
| | • Spare | |

Configuration Rules

| Rule # | Description | SKU |
|--------|---|--------|
| 1 | This Accessory is compatible with the following EC-US Appliances only: Aruba EC-US 3x RJ45 10/100/1000 SD-WAN Gateway | JM799A |
| 2 | This Accessory is compatible with the following EC-XS Appliances only: HPE Aruba Networking EC-XS 4x RJ45 10/100/1000 SD-WAN Gateway | JM962A |
| 3 | This Accessory is compatible with the following EC-10104 Gateways only: HPE Aruba Networking EdgeConnect 10104 4x RJ45 10/100/1000 Gateway | R9D72A |
| | This PSU is compatible with the following EC-S Appliances only: HPE Aruba Networking EdgeConnect 10106 2x PoE 2x combo 2x SFP+ SD-WAN Gateway | SOE22A |

HPE Aruba Networking EdgeConnect SD-WAN Gateways Hub Gateways

BTO Models

HPE Aruba Networking EdgeConnect SD-WAN Gateways Appliance

Medium

| | | |
|---------|--|------------|
| 1, 2, 4 | HPE Aruba Networking EC-M-H 8x RJ45 10/100/1000 4x SFP+ 1/10G SD-WAN Gateway | JZ872A |
| | <ul style="list-style-type: none"> Installed on appliance: Fixed rack mount ear brackets with cage nuts and screws for square holes 50 - 5000Mbps 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 | |
| | HPE Aruba Networking EC-M-H 8x RJ45 10/100/1000 4x SFP+ 1/10G SD-WAN Gateway NoLoc | JZ872A#AC3 |
| | • No Power Cord | |

Large

| | | |
|---------|--|------------|
| 1, 2, 4 | Aruba EC-L-H 6x SFP+ 1/10G SD-WAN Gateway | JZ878A |
| | <ul style="list-style-type: none"> Included in packaging box: 4 post tool-less sliding rail kit (cage nuts/screws not included/needed) 1 - 10Gbps WAN Capacity Supports up to 1Gbps of Boost 2 x 480 GB SSD Includes 2 Power Supplies & 2 Power Cords 6 x 1/10 Gbps LAN/WAN Ports (Min0/Max 6 SFP/SFP+ XCVRs) 1U - Height | |
| | Aruba EC-L-H 6x SFP+ 1/10G SD-WAN Gateway No Loc | JZ878A#AC3 |
| | • No Power Cord | |



Configuration Information

Extra-Large

| | | |
|------------|--|------------|
| 1, 2, 3, 4 | Aruba EC-XL-H 6x SFP28 1/10/25G SD-WAN Gateway | JZ881A |
| | <ul style="list-style-type: none"> • Included in packaging box: 4 post tool-less sliding rail kit (cage nuts/screws not included/needed) • 2 - 10Gbps WAN Capacity • Supports up to 5Gbps of Boost • 2 x 480 GB SSD / 3.2TB NVMe • Includes 2 Power Supplies & 2 Power Cords • 6 x 1/10/25 Gbps LAN/WAN Ports (Min0/Max 6 SFP/SFP+/SFP28 XCVRs) • 1U - Height | |
| | Aruba EC-XL-H 6x SFP28 1/10/25G SD-WAN Gateway No Loc | JZ881A#AC3 |
| | <ul style="list-style-type: none"> • No Power Cord | |
| | Aruba EdgeConnect Enterprise XL-H-10G 6x SFP+ 1/10G SD-WAN Gateway | SOB67A |
| | <ul style="list-style-type: none"> • Included in packaging box: 4 post tool-less sliding rail kit (cage nuts/screws not included/needed) • 2 - 10Gbps WAN Capacity • Supports up to 5Gbps of Boost • 2 x 480 GB SSD / 3.2TB NVMe • Includes 2 Power Supplies & 2 Power Cords • 6 x 1/10 Gbps LAN/WAN Ports (Min0/Max6 SFP/SFP+ XCVRs) • 1U - Height | |
| | Aruba EdgeConnect Enterprise XL-H-10G 6x SFP+ 1/10G SD-WAN Gateway No Loc | SOB67A#AC3 |
| | <ul style="list-style-type: none"> • No Power Cord | |

Configuration Rules

| Rule # | Description | |
|---------------|--|--------|
| 1 | Localization required on orders without AC3 options. Refer to HPN Localization Table. OCA Only: Required Custom Choice (Min1/Max1) Localized Power Cord - Default Option No Power Cord - AC3 Option | |
| 2 | The following SFP+ Transceivers install into this Gateway's SFP+ Ports: HPE Aruba Networking EC-SFP-LR Single Mode SFP+ | JM534A |
| | HPE Aruba Networking EC-SFP-SR Multi Mode SFP+ | JM535A |
| 3 | The following SFP28 Transceivers install into this Gateway's SFP28 Ports: HPE Aruba Networking EC-SFP28-25G-LR Single Mode SFP28 | JM532A |
| | HPE Aruba Networking EC-SFP28-25G-SR Multi Mode SFP28 | JM533A |
| 4 | The following SFP Transceivers install into this Gateway's SFP Ports: HPE Aruba Networking EdgeConnect 1000BASE-T Copper SFP Transceiver Module | R9Y49A |
| Notes: | OCA Only Model Selection Form - HPE Aruba Networking > SD-WAN > EdgeConnect Enterprise: Hub Gateways | |

HPE Aruba Networking EdgeConnect SD-WAN Gateways Hub Gateways Options

Transceivers

| Rule # | Description | SKU |
|--------|---|--------|
| | SPF Transceivers | |
| | HPE Aruba Networking EdgeConnect 1000BASE-T Copper SFP Transceiver Module | R9Y49A |
| | SFP+ Transceivers | |
| | HPE Aruba Networking EC-SFP-LR Single Mode SFP+ | JM534A |
| | HPE Aruba Networking EC-SFP-SR Multi Mode SFP+ | JM535A |
| | SFP28 Transceivers | |
| | HPE Aruba Networking EC-SFP28-25G-LR Single Mode SFP28 | JM532A |
| | HPE Aruba Networking EC-SFP28-25G-SR Multi Mode SFP28 | JM533A |

Configuration Information

Accessories

| | | |
|---|--|--------|
| 4 | HPE Aruba Networking EC-M-H Sliding Rails | JZ954A |
| 4 | HPE Aruba Networking EC-M-H Accessory Kit | JZ894A |
| 5 | HPE Aruba Networking EC-L/EC-XL-H Sliding and 4-Post Static Rails | JZ886A |
| 5 | HPE Aruba Networking EC-L/EC-XL-H 2-Post Center Mount Conversion Bracket Kit | JZ888A |

Configuration Rules

| Rule # | Description | SKU |
|--------|---|----------------------------|
| 4 | This Accessory is compatible with the following EC-M-H Appliances only: HPE Aruba Networking EC-M-H 8x RJ45 10/100/1000 4x SFP+ 1/10G SD-WAN Gateway | JZ872A |
| 5 | This Accessory is compatible with the following EC-L-H/EC-XL-H Appliances only: Aruba EC-L-H 6x SFP+ 1/10G SD-WAN Gateway Aruba EC-XL-H 6x SFP28 1/10/25G SD-WAN Gateway Aruba EdgeConnect Enterprise XL-H-10G 6x SFP+ 1/10G SD-WAN Gateway | JZ878A JZ881A SOB67A |

Spares

| Rule # | Description | SKU |
|--------|--|--------|
| 4 | HPE Aruba Networking EC-M-H 100-240V 50/60Hz 300W AC Power Supply Unit <ul style="list-style-type: none"> Spare | JZ955A |
| 5 | HPE Aruba Networking EC-L/EC-XL-H 100-240V 50/60Hz 800W AC Power Supply Unit <ul style="list-style-type: none"> Spare | JZ887A |
| 5 | HPE Aruba Networking EC -L/EC-XL-H 480GB Solid State Drive <ul style="list-style-type: none"> Spare | JZ889A |
| 5 | HPE Aruba Networking EC-XL-H 1.6TB PCI Express Flash NVM <ul style="list-style-type: none"> Spare | JZ890A |

Configuration Rules

| Rule # | Description | SKU |
|--------|---|----------------------------|
| 4 | This Accessory is compatible with the following EC-M-H Appliances only: HPE Aruba Networking EC-M-H 8x RJ45 10/100/1000 4x SFP+ 1/10G SD-WAN Gateway | JZ872A |
| 5 | This Accessory is compatible with the following EC-L-H/EC-XL-H Appliances only: Aruba EC-L-H 6x SFP+ 1/10G SD-WAN Gateway Aruba EC-XL-H 6x SFP28 1/10/25G SD-WAN Gateway Aruba EdgeConnect Enterprise XL-H-10G 6x SFP+ 1/10G SD-WAN Gateway | JZ878A JZ881A SOB67A |

HPE Aruba Networking EdgeConnect SD-WAN Gateways (Traditional)

Advanced Security

| Rule # | Description | SKU |
|---------|---|----------|
| 2, 3 | HPE Aruba Networking EdgeConnect AS Standard 1-year Subscription E-STU | JZ904AAS |
| 2, 3 | HPE Aruba Networking EdgeConnect AS Standard 2-year Subscription E-STU | JZ905AAS |
| 2, 3 | HPE Aruba Networking EdgeConnect AS Standard 3-year Subscription E-STU | JZ906AAS |
| 2, 3 | HPE Aruba Networking EdgeConnect AS Standard 4-year Subscription E-STU | JZ907AAS |
| 2, 3 | HPE Aruba Networking EdgeConnect AS Standard 5-year Subscription E-STU | JZ908AAS |
| 2, 3, 4 | HPE Aruba Networking EdgeConnect AS Unlimited 1-year Subscription E-STU | JZ909AAS |
| 2, 3, 4 | HPE Aruba Networking EdgeConnect AS Unlimited 2-year Subscription E-STU | JZ910AAS |
| 2, 3, 4 | HPE Aruba Networking EdgeConnect AS Unlimited 3-year Subscription E-STU | JZ911AAS |
| 2, 3, 4 | HPE Aruba Networking EdgeConnect AS Unlimited 4-year Subscription E-STU | JZ912AAS |
| 2, 3, 4 | HPE Aruba Networking EdgeConnect AS Unlimited 5-year Subscription E-STU | JZ913AAS |
| 2, 3 | HPE Aruba Networking EdgeConnect AS Standard High Availability 1-year Subscription E-STU | JZ914AAS |
| 2, 3 | HPE Aruba Networking EdgeConnect AS Standard High Availability 2-year Subscription E-STU | JZ915AAS |
| 2, 3 | HPE Aruba Networking EdgeConnect AS Standard High Availability 3-year Subscription E-STU | JZ916AAS |
| 2, 3 | HPE Aruba Networking EdgeConnect AS Standard High Availability 4-year Subscription E-STU | JZ917AAS |
| 2, 3 | HPE Aruba Networking EdgeConnect AS Standard High Availability 5-year Subscription E-STU | JZ918AAS |
| 2, 3, 4 | HPE Aruba Networking EdgeConnect AS Unlimited High Availability 1-year Subscription E-STU | JZ919AAS |
| 2, 3, 4 | HPE Aruba Networking EdgeConnect AS Unlimited High Availability 2-year Subscription E-STU | JZ920AAS |
| 2, 3, 4 | HPE Aruba Networking EdgeConnect AS Unlimited High Availability 3-year Subscription E-STU | JZ921AAS |

Configuration Information

| | | |
|---|---|----------|
| 2 | HPE Aruba Networking EdgeConnect BW 500 2-year Subscription E-STU | JM149AAS |
| 2 | HPE Aruba Networking EdgeConnect BW 500 3-year Subscription E-STU | JM150AAS |
| 2 | HPE Aruba Networking EdgeConnect BW 500 4-year Subscription E-STU | JM151AAS |
| 2 | HPE Aruba Networking EdgeConnect BW 500 5-year Subscription E-STU | JM152AAS |
| 2 | HPE Aruba Networking EdgeConnect BW 500 High Availability 1-year Subscription E-STU | JM155AAS |
| 2 | HPE Aruba Networking EdgeConnect BW 500 High Availability 2-year Subscription E-STU | JM156AAS |
| 2 | HPE Aruba Networking EdgeConnect BW 500 High Availability 3-year Subscription E-STU | JM157AAS |
| 2 | HPE Aruba Networking EdgeConnect BW 500 High Availability 4-year Subscription E-STU | JM158AAS |
| 2 | HPE Aruba Networking EdgeConnect BW 500 High Availability 5-year Subscription E-STU | JM159AAS |
| 2 | HPE Aruba Networking EdgeConnect BW 50 1-year Subscription E-STU | JM164AAS |
| 2 | HPE Aruba Networking EdgeConnect BW 50 2-year Subscription E-STU | JM165AAS |
| 2 | HPE Aruba Networking EdgeConnect BW 50 3-year Subscription E-STU | JM166AAS |
| 2 | HPE Aruba Networking EdgeConnect BW 50 4-year Subscription E-STU | JM167AAS |
| 2 | HPE Aruba Networking EdgeConnect BW 50 5-year Subscription E-STU | JM168AAS |
| 2 | HPE Aruba Networking EdgeConnect BW 50 High Availability 1-year Subscription E-STU | JM171AAS |
| 2 | HPE Aruba Networking EdgeConnect BW 50 High Availability 2-year Subscription E-STU | JM172AAS |
| 2 | HPE Aruba Networking EdgeConnect BW 50 High Availability 3-year Subscription E-STU | JM173AAS |
| 2 | HPE Aruba Networking EdgeConnect BW 50 High Availability 4-year Subscription E-STU | JM174AAS |
| 2 | HPE Aruba Networking EdgeConnect BW 50 High Availability 5-year Subscription E-STU | JM175AAS |
| 2 | HPE Aruba Networking EdgeConnect BW Unlimited 1-year Subscription E-STU | JM180AAS |
| 2 | HPE Aruba Networking EdgeConnect BW Unlimited 2-year Subscription E-STU | JM181AAS |
| 2 | HPE Aruba Networking EdgeConnect BW Unlimited 3-year Subscription E-STU | JM182AAS |
| 2 | HPE Aruba Networking EdgeConnect BW Unlimited 4-year Subscription E-STU | JM183AAS |
| 2 | HPE Aruba Networking EdgeConnect BW Unlimited 5-year Subscription E-STU | JM184AAS |
| 2 | HPE Aruba Networking EdgeConnect BW Unlimited High Availability 1-year Subscription E-STU | JM187AAS |
| 2 | HPE Aruba Networking EdgeConnect BW Unlimited High Availability 2-year Subscription E-STU | JM188AAS |
| 2 | HPE Aruba Networking EdgeConnect BW Unlimited High Availability 3-year Subscription E-STU | JM189AAS |
| 2 | HPE Aruba Networking EdgeConnect BW Unlimited High Availability 4-year Subscription E-STU | JM190AAS |
| 2 | HPE Aruba Networking EdgeConnect BW Unlimited High Availability 5-year Subscription E-STU | JM191AAS |

Configuration Rules

| Rule # | Description | SKU |
|--------|---|-----|
| 1 | These SKUs must be also presented in the OCA Catalog in the following Directory: HPE Aruba Networking > SD-WAN > HPE Aruba Networking EdgeConnect SD-WAN Gateways> Orchestration Software | |
| 2 | These SKUs must be also presented in the OCA Catalog in the following Directory: HPE Aruba Networking > SD-WAN > HPE Aruba Networking EdgeConnect SD-WAN Gateways> Software Licenses | |
| 3 | This license is not supported on the following EC-US Gateways: JM799A | |
| 4 | This license is not supported on the following EC-XS Gateways: JM962A | |

HPE Aruba Networking EdgeConnect SD-WAN Gateways Software (Tiered Subscription)

| Rule# | Description | SKU |
|--------------------------|---|----------|
| SD-WAN Foundation | | |
| 1, 4 | HPE Aruba Networking EdgeConnect SD-WAN Hub Gateway Foundation 1-year Subscription SaaS | S2M85AAS |
| 1, 4 | HPE Aruba Networking EdgeConnect Foundation Core 1-year Subscription SaaS | S0Y45AAS |
| 1, 4 | HPE Aruba Networking EdgeConnect Foundation Core 2-year Subscription SaaS | S0Y48AAS |
| 1, 4 | HPE Aruba Networking EdgeConnect Foundation Core 3-year Subscription SaaS | S0Y51AAS |
| 1, 4 | HPE Aruba Networking EdgeConnect Foundation Core 4-year Subscription SaaS | S0Y54AAS |
| 1, 4 | HPE Aruba Networking EdgeConnect Foundation Core 5-year Subscription SaaS | S0Y57AAS |
| 1, 4 | HPE Aruba Networking EdgeConnect Foundation Core 7-year Subscription SaaS | S0Y60AAS |
| 1, 4 | HPE Aruba Networking EdgeConnect Foundation Core Subscription SaaS | S0Y63AAS |
| 1, 4 | HPE Aruba Networking EdgeConnect Foundation 100Mbps 90-day Evaluation SaaS | S0Y82AAS |
| 1, 4 | HPE Aruba Networking EdgeConnect Foundation 100Mbps 1-year Subscription SaaS | S1C49AAS |
| 1, 4 | HPE Aruba Networking EdgeConnect Foundation 100Mbps 2-year Subscription SaaS | S1C50AAS |

Configuration Information

| | | |
|---------|--|----------|
| 2, 4, 5 | HPE Aruba Networking EdgeConnect Advanced Unlimited 2-year Subscription SaaS | S1C36AAS |
| 2, 4, 5 | HPE Aruba Networking EdgeConnect Advanced Unlimited 3-year Subscription SaaS | S1C37AAS |
| 2, 4, 5 | HPE Aruba Networking EdgeConnect Advanced Unlimited 4-year Subscription SaaS | S1C38AAS |
| 2, 4, 5 | HPE Aruba Networking EdgeConnect Advanced Unlimited 5-year Subscription SaaS | S1C39AAS |
| 2, 4, 5 | HPE Aruba Networking EdgeConnect Advanced Unlimited 7-year Subscription SaaS | S1C40AAS |
| 2, 4, 5 | HPE Aruba Networking EdgeConnect Advanced Unlimited Subscription SaaS | S1C41AAS |
| 2, 4, 5 | HPE Aruba Networking EdgeConnect Advanced Unlimited High Availability 1-year Subscription SaaS | S1C42AAS |
| 2, 4, 5 | HPE Aruba Networking EdgeConnect Advanced Unlimited High Availability 2-year Subscription SaaS | S1C43AAS |
| 2, 4, 5 | HPE Aruba Networking EdgeConnect Advanced Unlimited High Availability 3-year Subscription SaaS | S1C44AAS |
| 2, 4, 5 | HPE Aruba Networking EdgeConnect Advanced Unlimited High Availability 4-year Subscription SaaS | S1C45AAS |
| 2, 4, 5 | HPE Aruba Networking EdgeConnect Advanced Unlimited High Availability 5-year Subscription SaaS | S1C46AAS |
| 2, 4, 5 | HPE Aruba Networking EdgeConnect Advanced Unlimited High Availability 7-year Subscription SaaS | S1C47AAS |
| 2, 4, 5 | HPE Aruba Networking EdgeConnect Advanced Unlimited High Availability Subscription SaaS | S1C48AAS |

SD-WAN Foundation/Advanced Add-On's

| | | |
|---------|--|----------|
| 4, 6 | HPE Aruba Networking EdgeConnect Boost 100Mbps 1-year Subscription SaaS | SOZ71AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost 100Mbps 2-year Subscription SaaS | SOZ72AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost 100Mbps 3-year Subscription SaaS | SOZ73AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost 100Mbps 4-year Subscription SaaS | SOZ74AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost 100Mbps 5-year Subscription SaaS | SOZ75AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost 100Mbps 7-year Subscription SaaS | SOZ76AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost 100Mbps Subscription SaaS | SOZ77AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost High Availability 100Mbps 1-year Subscription SaaS | SOZ78AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost High Availability 100Mbps 2-year Subscription SaaS | SOZ79AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost High Availability 100Mbps 3-year Subscription SaaS | SOZ80AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost High Availability 100Mbps 4-year Subscription SaaS | SOZ81AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost High Availability 100Mbps 5-year Subscription SaaS | SOZ82AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost High Availability 100Mbps 7-year Subscription SaaS | SOZ83AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost High Availability 100Mbps Subscription SaaS | SOZ84AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost 10Gbps 1-year Subscription SaaS | SOZ85AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost 10Gbps 2-year Subscription SaaS | SOZ86AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost 10Gbps 3-year Subscription SaaS | SOZ87AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost 10Gbps 4-year Subscription SaaS | SOZ88AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost 10Gbps 5-year Subscription SaaS | SOZ89AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost 10Gbps 7-year Subscription SaaS | SOZ90AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost 10Gbps Subscription SaaS | SOZ91AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost High Availability 10Gbps 1-year Subscription SaaS | SOZ92AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost High Availability 10Gbps 2-year Subscription SaaS | SOZ93AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost High Availability 10Gbps 3-year Subscription SaaS | SOZ94AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost High Availability 10Gbps 4-year Subscription SaaS | SOZ95AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost High Availability 10Gbps 5-year Subscription SaaS | SOZ96AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost High Availability 10Gbps 7-year Subscription SaaS | SOZ97AAS |
| 4, 6 | HPE Aruba Networking EdgeConnect Boost High Availability 10Gbps Subscription SaaS | SOZ98AAS |
| 4, 5, 6 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense High Availability 1y Subscription SaaS | SOZ44AAS |
| 4, 5, 6 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense High Availability 2y Subscription SaaS | SOY25AAS |
| 4, 5, 6 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense High Availability 3y Subscription SaaS | SOY26AAS |
| 4, 5, 6 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense High Availability 4y Subscription SaaS | SOY27AAS |
| 4, 5, 6 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense High Availability 5y Subscription SaaS | SOY28AAS |
| 4, 5, 6 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense High Availability 7y Subscription SaaS | SOY29AAS |
| 4, 5, 6 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense High Availability Subscription SaaS | SOY30AAS |
| 4, 5, 6 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense 1-year Subscription SaaS | SOZ37AAS |
| 4, 5, 6 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense 2-year Subscription SaaS | SOZ38AAS |
| 4, 5, 6 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense 3-year Subscription SaaS | SOZ39AAS |
| 4, 5, 6 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense 4-year Subscription SaaS | SOZ40AAS |
| 4, 5, 6 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense 5-year Subscription SaaS | SOZ41AAS |

Configuration Information

| | | |
|---------|--|----------|
| 4, 5, 6 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense 7-year Subscription SaaS | S0Z42AAS |
| 4, 5, 6 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense Subscription SaaS | S0Z43AAS |
| | SD-WAN Advanced-OnPrem | |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Core 1-year Subscription E-STU | S0Y47AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Core 2-year Subscription E-STU | S0Y50AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Core 3-year Subscription E-STU | S0Y53AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Core 4-year Subscription E-STU | S0Y56AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Core 5-year Subscription E-STU | S0Y59AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Core 7-year Subscription E-STU | S0Y62AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Core Subscription E-STU | S0Y65AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 500Mbps 1-year Subscription E-STU | S0X93AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 500Mbps 2-year Subscription E-STU | S0X94AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 500Mbps 3-year Subscription E-STU | S0X95AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 500Mbps 4-year Subscription E-STU | S0X96AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 500Mbps 5-year Subscription E-STU | S0X97AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 500Mbps 7-year Subscription E-STU | S0X98AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 500Mbps Subscription E-STU | S0X99AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 500Mbps 1-year Subscription E-STU | S0Y00AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 500Mbps 2-year Subscription E-STU | S0Y01AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 500Mbps 3-year Subscription E-STU | S0Y02AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 500Mbps 4-year Subscription E-STU | S0Y03AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 500Mbps 5-year Subscription E-STU | S0Y04AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 500Mbps 7-year Subscription E-STU | S0Y05AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 500Mbps Subscription E-STU | S0Y06AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 1Gbps 1-year Subscription E-STU | S0Y07AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 1Gbps 2-year Subscription E-STU | S0Y08AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 1Gbps 3-year Subscription E-STU | S0Y09AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 1Gbps 4-year Subscription E-STU | S0Y10AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 1Gbps 5-year Subscription E-STU | S0Y11AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 1Gbps 7-year Subscription E-STU | S0Y12AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 1Gbps Subscription E-STU | S0Y13AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 1Gbps 1-year Subscription E-STU | S0Y14AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 1Gbps 2-year Subscription E-STU | S0Y15AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 1Gbps 3-year Subscription E-STU | S0Y16AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 1Gbps 4-year Subscription E-STU | S0Y17AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 1Gbps 5-year Subscription E-STU | S0Y18AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 1Gbps 7-year Subscription E-STU | S0Y19AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 1Gbps Subscription E-STU | S0Y20AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 2Gbps 1-year Subscription E-STU | S0Y21AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 2Gbps 2-year Subscription E-STU | S0Y22AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 2Gbps 3-year Subscription E-STU | S0Z45AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 2Gbps 4-year Subscription E-STU | S0Z46AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 2Gbps 5-year Subscription E-STU | S0Z47AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 2Gbps 7-year Subscription E-STU | S0Z48AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 2Gbps Subscription E-STU | S0Z49AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 2Gbps 1-year Subscription E-STU | S0Z50AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 2Gbps 2-year Subscription E-STU | S0Z51AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 2Gbps 3-year Subscription E-STU | S0Z52AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 2Gbps 4-year Subscription E-STU | S0Z53AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 2Gbps 5-year Subscription E-STU | S0Z54AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 2Gbps 7-year Subscription E-STU | S0Z55AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 2Gbps Subscription E-STU | S0Z56AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 20Mbps 1-year Subscription E-STU | S1A80AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises 20Mbps 2-year Subscription E-STU | S1A81AAS |

Configuration Information

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| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 200Mbps 7-year Subscription E-STU | S1C25AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises High Availability 200Mbps Subscription E-STU | S1C26AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Unlimited 1-year Subscription E-STU | S0Z57AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Unlimited 2-year Subscription E-STU | S0Z58AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Unlimited 3-year Subscription E-STU | S0Z59AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Unlimited 4-year Subscription E-STU | S0Z60AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Unlimited 5-year Subscription E-STU | S0Z61AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Unlimited 7-year Subscription E-STU | S0Z62AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Unlimited Subscription E-STU | S0Z63AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Unlimited High Availability 1-year Subscription E-STU | S0Z64AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Unlimited High Availability 2-year Subscription E-STU | S0Z65AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Unlimited High Availability 3-year Subscription E-STU | S0Z66AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Unlimited High Availability 4-year Subscription E-STU | S0Z67AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Unlimited High Availability 5-year Subscription E-STU | S0Z68AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Unlimited High Availability 7-year Subscription E-STU | S0Z69AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect On-Premises Unlimited High Availability Subscription E-STU | S0Z70AAS |
| SD-WAN Advanced-OnPrem Add-On's | | |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises 100Mbps Subscription E-STU | S0Z15AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises High Availability 100Mbps 1y Subscription E-STU | S0Z16AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises High Availability 100Mbps 2y Subscription E-STU | S0Z17AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises High Availability 100Mbps 3y Subscription E-STU | S0Z18AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises High Availability 100Mbps 4y Subscription E-STU | S0Z19AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises High Availability 100Mbps 5y Subscription E-STU | S0Z20AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises High Availability 100Mbps 7y Subscription E-STU | S0Z21AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises High Availability 100Mbps Subscription E-STU | S0Z22AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises 10Gbps 1-year Subscription E-STU | S0Z23AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises 10Gbps 2-year Subscription E-STU | S0Z24AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises 10Gbps 3-year Subscription E-STU | S0Z25AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises 10Gbps 4-year Subscription E-STU | S0Z26AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises 10Gbps 5-year Subscription E-STU | S0Z27AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises 10Gbps 7-year Subscription E-STU | S0Z28AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises 10Gbps Subscription E-STU | S0Z29AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises High Availability 10Gbps 1y Subscription E-STU | S0Z30AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises High Availability 10Gbps 2y Subscription E-STU | S0Z31AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises High Availability 10Gbps 3y Subscription E-STU | S0Z32AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises High Availability 10Gbps 4y Subscription E-STU | S0Z33AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises High Availability 10Gbps 5y Subscription E-STU | S0Z34AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises High Availability 10Gbps 7y Subscription E-STU | S0Z35AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises High Availability 10Gbps Subscription E-STU | S0Z36AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises 100Mbps 1-year Subscription E-STU | S0Z99AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises 100Mbps 2-year Subscription E-STU | S1A00AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises 100Mbps 3-year Subscription E-STU | S1A01AAS |

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| | | |
|---------|--|----------|
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises 100Mbps 4-year Subscription E-STU | S1A02AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises 100Mbps 5-year Subscription E-STU | S1A03AAS |
| 3, 4 | HPE Aruba Networking EdgeConnect Boost On-Premises 100Mbps 7-year Subscription E-STU | S1A04AAS |
| 3, 4, 5 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense On-Premises 1-year Subscription E-STU | S0Y31AAS |
| 3, 4, 5 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense On-Premises 2-year Subscription E-STU | S0Y32AAS |
| 3, 4, 5 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense On-Premises 3-year Subscription E-STU | S0Y33AAS |
| 3, 4, 5 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense On-Premises 4-year Subscription E-STU | S0Y34AAS |
| 3, 4, 5 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense On-Premises 5-year Subscription E-STU | S0Y35AAS |
| 3, 4, 5 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense On-Premises 7-year Subscription E-STU | S0Y36AAS |
| 3, 4, 5 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense On-Premises Subscription E-STU | S0Y37AAS |
| 3, 4, 5 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense On-Premises HA 1-year Subscription E-STU | S0Y38AAS |
| 3, 4, 5 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense On-Premises HA 2-year Subscription E-STU | S0Y39AAS |
| 3, 4, 5 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense On-Premises HA 3-year Subscription E-STU | S0Y40AAS |
| 3, 4, 5 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense On-Premises HA 4-year Subscription E-STU | S0Y41AAS |
| 3, 4, 5 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense On-Premises HA 5-year Subscription E-STU | S0Y42AAS |
| 3, 4, 5 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense On-Premises HA 7-year Subscription E-STU | S0Y43AAS |
| 3, 4, 5 | HPE Aruba Networking EdgeConnect Dynamic Threat Defense On-Premises HA Subscription E-STU | S0Y44AAS |

Configuration Rules

| Rule # | Description | SKU |
|--------|--|-----|
| 1 | IRIS Error: User cannot mix SKUS across subscription tiers within a single EdgeConnect Solution. These SKUS are identified as Tier 1: SD-WAN Foundation | |
| 2 | IRIS Error: User cannot mix SKUS across subscription tiers within a single EdgeConnect Solution. These SKUS are identified as Tier 2: SD-WAN Advanced | |
| 3 | IRIS Error: User cannot mix SKUS across subscription tiers within a single EdgeConnect Solution. These SKUS are identified as Tier 3: SD-WAN Advanced-OnPrem | |
| 4 | For IRIS reference only. No action required for OCX and Clic | |
| 5 | This license is not supported on the following EC-US Gateways: JM799A | |
| 6 | This Add-on license can be selected in conjunction with either of the following Subscription Tiers: <ul style="list-style-type: none"> Tier 1: SD-WAN Foundation Tier 2: SD-WAN Advanced | |

Notes: These skus must be presented in the IRIS Catalog in the following Directory:
Aruba > SASE > EdgeConnect SD-WAN Subscriptions



Technical Specifications

| HPE Aruba Networking EdgeConnect SD-WAN Gateways Hardware Portfolio | | | | |
|---|------------------------------|-------------------------------------|------------------------------|-------------------------------|
| | EdgeConnect Enterprise US | EdgeConnect Enterprise 10104 | EdgeConnect Enterprise XS | EdgeConnect Enterprise S-P |
| Model | Ultra-Small (EC-US) | EdgeConnect Enterprise 10104 | Extra-Small (EC-XS) | Small (EC-S-P*) |
| Typical Deployment | Small Branch/ Home Office | Small Branch/ Home Office | Small Branch | Large Branch |
| Typical WAN Bandwidth** | 1–200 Mbps | 2–500 Mbps | 2–1000 Mbps | 10–3000 Mbps |
| Simultaneous Connections | 256,000 | 256,000 | 256,000 | 256,000 |
| Recommended WAN Boost up to | 25 Mbps | 200 Mbps | 250 Mbps | 500 Mbps |
| IDS/IPS | Not supported | Yes | Yes | Yes |
| Redundancy/ FRUs* | No | No | No | SSD and Power (AC or DC) |
| Data Path Interfaces | 3 x RJ45 10/100/1000 Mbps | 4 x RJ45 10/100/1000 | 4 x RJ45 10/100/1000 Mbps | 8 x RJ45 4 x 1/10G Optical |

Notes:

- EC-XL-H and EC-XL-H-10G comes pre-equipped with NVMe for maximum WAN optimization (Boost)
- EC-S-P, EC-M-H, EC-L-H, and EC-XL-H all support pluggable optics
- See software compatibility table for minimum software releases required to support the new EC –H models
- WAN Bandwidth assumes bidirectional traffic (symmetric up-link and down-link). For total WAN throughput (Rx+Tx), multiply these numbers by 2.
- For best performance, EdgeConnect Operating System Release 9.1 or higher is recommended
- FRU Power Supplies are an additional SKU

| HPE Aruba Networking EdgeConnect Enterprise Hardware Portfolio | | | |
|--|-------------------------------|----------------------------|--------------------------------|
| | EdgeConnect Enterprise M-H | EdgeConnect Enterprise L-H | EdgeConnect Enterprise XL-H |
| Model | Medium (EC-M-H*) | Large (EC-L-H*) | Extra-Large (EC-XL-H*) |
| Typical Deployment | Head Office/DC Large Hub | Data Center Large Hub | Data Center Large Hub |
| Typical WAN Bandwidth** | 50–5000 Mbps | 2–10 Gbps | 2–10 Gbps |
| Simultaneous Connections | 2,000,000 | 2,000,000 | 2,000,000 |
| Recommended WAN Boost up to | 1 Gbps | 1 Gbps | 5 Gbps |
| | Yes | Yes | Yes |
| Redundancy/ FRUs* | SSD and Power | SSD and Power | SSD, NVMe, Power |
| Data Path Interfaces | 8 x RJ45 4 x 1/10G Optical | 6 x 1/10G Optical | 6 x 1/10/25G Optical |

Notes:

- EC-XL-H and EC-XL-H-10G comes pre-equipped with NVMe for maximum WAN optimization (Boost)
- EC-S-P, EC-M-H, EC-L-H, and EC-XL-H all support pluggable optics
- See software compatibility table for minimum software releases required to support the new EC –H models
- WAN Bandwidth assumes bidirectional traffic (symmetric up-link and down-link). For total WAN throughput (Rx+Tx), multiply these numbers by 2.
- For best performance, EdgeConnect Operating System Release 9.1 or higher is recommended
- FRU Power Supplies are an additional SKU



Technical Specifications

HPE Aruba Networking EdgeConnect SD-WAN Gateways Specification Sheets

- [Ultra-Small](#)
- [10104](#)
- [Extra-Small](#)
- [Small](#)
- [Medium](#)
- [Large](#)
- [Extra-Large](#)

HPE Aruba Networking EdgeConnect SD-WAN Gateways Technical Support

| | |
|---------------------------------|---|
| Term | Support is included as part of the HPE Aruba Networking EdgeConnect Enterprise subscription license |
| Web-based support portal | Unlimited access 24 / 7 / 365 includes software downloads, technical documentation, and online knowledge base |
| Software Updates | Major and minor features releases; maintenance releases |
| Technical Support | 24 / 7 / 365 phone / e-mail / web (Global Technical Assistance Centers — TAC) |
| Response Time | 30 minutes for high priority (P1) — critical |
| Warranty and Maintenance | Refer to the HPE Aruba Networking EdgeConnect Enterprise warranty and maintenance policies data sheet for further information |

Flexible Deployment Models

- HPE Aruba Networking EdgeConnect Enterprise Virtual (EC-V) — Download and install HPE Aruba Networking EdgeConnect SD-WAN Gateways from anywhere in the world. The software runs on all common hypervisors, including VMware ESXi, Microsoft Hyper-V, Citrix XenServer, and KVM. HPE Aruba Networking customers who have an IaaS presence in AWS, Microsoft Azure, Oracle Cloud Infrastructure or Google Cloud Platform can deploy HPE Aruba Networking EdgeConnect SD-WAN Gateways within their hosted cloud environment.
- HPE Aruba Networking EdgeConnect SD-WAN Gateways Physical (EC) — For enterprises that are not virtualized in the branch, choose one of the HPE Aruba Networking EdgeConnect SD-WAN Gateways hardware appliance models for plug-and-play deployment.

HPE Aruba Networking EdgeConnect SD-WAN Gateways Subscription Licensing

HPE Aruba Networking EdgeConnect SD-WAN Gateways is available as a software subscription. Two subscription tiers are available, Foundation and Advanced, in either single or multiyear increments (1,2,3,4,5,6, and 7 years) and at multiple bandwidth tiers. Subscription tier mixing is not supported, i.e., every HPE Aruba Networking EdgeConnect SD-WAN Gateways appliance in an SD-WAN fabric must run either Foundation or Advanced licenses.

- **Foundation License Tier:** The Foundation license tier includes essential SD-WAN features and all of the advanced NGFW features. The Foundation license is available in 100 Mbps, 1 Gbps, and 10 Gbps bandwidth tiers. Moreover, the Foundation license supports Hub-and-Spoke topology (4 Hubs/ region), a limited number of VRFs, and includes a cloud-hosted HPE Aruba Networking WAN Orchestrator subscription (Foundation OaaS). The Foundation license supports three BIOS, all essential QoS parameters and fundamental data retention capabilities, making it ideal for customers who require a simple, easy-to-manage SD-WAN with comprehensive NGFW features.
- **Advanced License Tier:** Advanced license tier includes all HPE Aruba Networking EdgeConnect SD-WAN Gateways advanced SD-WAN features and all of the advanced NGFW features. The Advanced license is available in 20 Mbps, 50 Mbps, 100 Mbps, 200 Mbps, 500 Mbps, 1 Gbps, 2 Gbps, and Unlimited bandwidth tiers. Moreover, the Advanced license supports unlimited topology, 64 VRFs and includes a cloud-hosted HPE Aruba Networking WAN Orchestrator subscription (Advanced OaaS). The Advanced OaaS appeals to enterprises that prefer a zero-CAPEX SDWAN management solution without the capital investment and the associated complexity of managing on-premises infrastructure. The Advanced license supports up to seven BIOS, advanced QoS parameters, and enhanced data retention capabilities making it ideal for customers who do not want to compromise on the SD-WAN features and want comprehensive NGFW features.
Enterprises that require on-premises deployment of HPE Aruba Networking WAN Orchestrator can purchase the



Technical Specifications

Advanced on-prem license. The on-prem edition of the Advanced license offers the same rich capabilities as the Advanced license but enables enterprises to manage their own instance of HPE Aruba Networking WAN Orchestrator. It is well-suited for customers that require a private installation of their SD-WAN management software.

Optional HPE Aruba Networking EdgeConnect SD-WAN Gateways Licenses

- **Dynamic Threat Defense:** Enterprises that require comprehensive IDS/IPS capabilities integrated with the SD-WAN can optionally deploy the Dynamic Threat Defense license.
- **WAN Boost:** HPE Aruba Networking WAN Boost is an optional WAN optimization performance pack that may be ordered and deployed flexibly to sites that require application acceleration. HPE Aruba Networking WAN Boost is offered in 100Mbps or 10Gbps blocks
Moreover, large global enterprises with multiple business units (BU) or subsidiaries that have a requirement to support different regional QoS or security policies can optionally deploy HPE Aruba Networking WAN Orchestrator Global Enterprise (not applicable for Advanced on-prem license).

HPE Aruba Networking EdgeConnect SD-WAN Gateways US (Ultra-Small)

| Capacity | |
|---|---|
| WAN bandwidth capacity (all features + encryption) | Up to 200 Mbps |
| Simultaneous connections | 256,000 |
| Resiliency | |
| Drives | Single |
| Power supplies | Single |
| Network | WAN link redundancy supported via business intent overlays with multiple link bonding options. LAN-side protection includes VRRP and BGP. Multiple IPSLA options included |
| RAM | Non-ECC memory |
| MTBF | 148,820 hours (17.0 years) |
| Security | |
| Disk encryption | 128-bit AES |
| Network encryption | IPsec (256-bit AES) |
| Connectivity | |
| LAN/WAN ethernet | 3 x 10/100/1000 LAN/WAN (1 LAN/2 WAN) as per IEEE 802.3i, 802.3u, 802.3ab, 802.1Q |
| Management | Console port |
| WAN Optimization | |
| Recommended Boost up to | 25 Mbps |
| 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 |
| Power | |
| Requirement | 100-240VAC / 50-60Hz / 8.7 W / 29.7 BTU |
| Power supplies | Single adapter |
| Dimensions | |
| Height | 0.8 in (19.4 mm) |
| Width | 4.9 in (124.3 mm) |
| Depth | 4.7 in (119.7 mm) |
| Weight | 1.1 lb (0.5 kg) |
| Regulatory | |
| EMC | FCC Part 15 Class B, EN 55022 Class B, VCCI Class B, EN 61000-4-2 to 4-6/4-8/4-11, EN 55024 |
| Safety | UL/cUL/60950, EN 60950 |



Technical Specifications

| | |
|--|--|
| Environmental | |
| Temperature (operating) | 0° C to 40° C (32° to 104° F) |
| Temperature (storage) | -40° C to 65° C (-40° to 149° F) |
| Humidity (operating) | 8 to 90 percent relative humidity, non-condensing |
| Humidity (storage) | 8 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, REST API and Web UI |
| GUI | HPE Aruba Networking WAN Orchestrator provides centralized configuration, monitoring, and management of multiple EdgeConnect Enterprise appliances |
| SNMP | SNMPv2c, SNMPv3 |
| Secure access | SSH and HTTPS |
| Logging | Syslog with configurable levels. Email alerts |
| Authentication | Local database, RADIUS, TACACS+ |
| Statistics | Graphing and monitoring, real-time and historical. NetFlow and IPFIX supported |
| HPE Aruba Networking EdgeConnect SD-WAN Gateways XS (Extra-Small) | |
| Capacity | |
| WAN bandwidth capacity (all features + encryption) | 2 to 1000 Mbps |
| Simultaneous connections | 256,000 |
| Resiliency | |
| Drives | Single |
| Power supplies | Single |
| Network | WAN link redundancy supported via business intent overlays with multiple link bonding options. LAN-side protection includes VRRP and BGP. Multiple IPSLA options included. |
| RAM | ECC memory |
| MTBF | 162,171 hours (18.5 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 | 2 x 10/100/1000; console port |
| WAN Optimization | |
| Recommended Boost up to | 250 Mbps |
| Deployment | |
| In-line router mode | In-line as next-hop gateway between L2 switch and WAN router or broadband internet modem for zero touch provisioning, with WAN hardening or zone-based stateful firewall |
| Out-of-path (router) mode | Attached to WAN router out-of-path with PBR re-direction, WCCP, and VRRP |
| Power | |
| Requirement | 100-240VAC / 50-60Hz / 34W / 29.7 BTU |
| Power supplies | Single adapter |
| Dimensions | |
| Height | 1.7 in (44 mm) |

Technical Specifications

| | |
|--------------------------------|--|
| Width | 9.4 in (240 mm) |
| Depth | 7.9 in (200 mm) |
| Weight | 3.5 lbs (1.6 kg) |
| Regulatory | |
| EMC | FCC Part 15 Class B, EN 55022 Class B, VCCI Class B EN 61000-3-2/3-3, EN 55024 |
| Safety | UL/cUL/60950, EN 60950 |
| Environmental | |
| Temperature (operating) | 0° C to 40° C (32° to 104° F) |
| Temperature (storage) | -40° C to 65° C (-40° to 149° F) |
| Humidity (operating) | 8 to 90 percent relative humidity, non-condensing |
| Humidity (storage) | 8 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, REST API and Web UI |
| GUI | HPE Aruba Networking WAN Orchestrator provides centralized configuration, monitoring, and management of multiple HPE Aruba Networking EdgeConnect SD-WAN Gateways appliances |
| SNMP | SNMPv2c, SNMPv3 |
| Secure access | SSH and HTTPS |
| Logging | Syslog with configurable levels. Email alerts |
| Authentication | Local database, RADIUS, TACACS+ |
| Statistics | Graphing and monitoring, real-time and historical. NetFlow and IPFIX supported |

HPE Aruba Networking EdgeConnect SD-WAN Gateways S-P (Small)

| | |
|---|--|
| Capacity | |
| WAN bandwidth capacity (all features + encryption) | 10 to 3000 Mbps |
| Simultaneous connections | 256,000 |
| Resiliency | |
| Drives | SSD - dual |
| Power supplies | Single and dual redundant options |
| Network | WAN link redundancy supported via business intent overlays with multiple link bonding options. LAN-side protection includes VRRP and BGP. Multiple IPSLA options included. |
| RAM | ECC memory |
| MTBF | 177,726 hours (20 years) |
| Security | |
| Disk encryption | 128-bit AES |
| Network encryption | IPsec (256-bit AES) |
| Connectivity | |
| 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 1/10Gbps 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 |
| WAN Optimization | |
| Recommended Boost up to | 500 Mbps |
| Deployment | |
| In-line router mode | In-line as next-hop gateway between L2 switch and WAN router or broadband internet modem for zero touch provisioning, with WAN hardening or zone-based stateful firewall |



Technical Specifications

| | |
|----------------------------------|---|
| Out-of-path (router) mode | Attached to WAN router out-of-path with PBR re-direction, WCCP, and VRRP |
| Power | |
| AC Requirement | 100-240VAC / 47-63Hz / 300W |
| AC Power supplies | Single or dual |
| DC requirement | -48V / -40V ~ -60V / 103W |
| DC power supplies | Single or dual |
| Dimensions | |
| Height | 1.7 in (44 mm) |
| Width | 17.2 in (438 mm) |
| Depth | 16.5 in (420 mm) |
| Weight | 18.14 lbs (8.23 kg) |
| Regulatory | |
| EMC | FCC Part 15 Class A, EN 55024/55032/55035 Class A, VCCI Class A, EN 61000-3-2/3-3 |
| Safety | UL/CB 60950-1 / 62368-1, EN 60950 / 62368 |
| Environmental | |
| Temperature (operating) | 0° C to 40° C (32° to 104° F) |
| Temperature (storage) | -40° C to 65° C (-40° to 149° F) |
| Humidity (operating) | 8 to 90 percent relative humidity, non-condensing |
| Humidity (storage) | 8 to 95 percent relative humidity, non-condensing |
| Altitude (operating) | Up to 10,000 ft (3,048 m) |
| Management | |
| CLI | Full-featured CLI available over DB-9 console port or SSH, REST API and Web UI |
| GUI | HPE Aruba Networking WAN Orchestrator provides centralized configuration, monitoring and management of multiple HPE Aruba Networking EdgeConnect SD-WAN Gateways appliances |
| SNMP | SNMPv2c, SNMPv3 |
| Secure access | SSH and HTTPS |
| Logging | Syslog with configurable levels. Email alerts |
| Authentication | Local database, RADIUS, TACACS+ |
| Statistics | Graphing and monitoring, real-time and historical. NetFlow and IPFIX supported |

HPE Aruba Networking EdgeConnect SD-WAN Gateways M-H (Medium)

| | |
|---|--|
| Capacity | |
| WAN bandwidth capacity (all features + encryption) | 50 Mbps to 5 Gbps (bidirectional) |
| Simultaneous connections | 2,000,000 |
| Resiliency | |
| Power supplies | Dual redundant |
| Network | WAN link redundancy supported via business intent overlays with multiple link bonding options. LAN-side protection includes VRRP and BGP. Multiple IPSLA options included. |
| Storage | 960GB SSD |
| Routing | BGP and OSPF supported |
| MTBF | 15.0 years |
| Security | |
| Disk encryption | 128-bit AES |
| Network encryption (data plane) | IPsec (256-bit AES) |



Technical Specifications

| | |
|--|---|
| Network encryption (management plane) | TLS 1.2 |
| Connectivity | |
| 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 1/10Gbps SFP+ optical interfaces that can support pluggable optics |
| Management | 2 x 10/100/1000; Console port |
| WAN Optimization | |
| Recommended Boost up to | 1 Gbps |
| Power | |
| AC Requirement | 153W / 522 BTU |
| AC Power supplies | 1+1 Redundant |
| Dimensions | |
| Height | 1.69 in (42.9 mm) |
| Width | 17.2 in (436.9 mm) |
| Depth | 16.5 in (419.1 mm) |
| Weight | 18.1 lbs (8.2 kg) |
| Regulatory | |
| EMC | FCC Part 15 Class A, EN 55024/55032/55035 Class A, VCCI Class A, EN 61000-3-2/3-3 |
| Safety | UL/CB 60950-1 / 62368-1, EN 60950 / 62368 |
| Environmental | |
| Temperature (operating) | 0° C to 40° C (32° to 104° F) |
| Temperature (storage) | -40° C to 65° C (-40° to 149° F) |
| Humidity (operating) | 10 to 80 percent relative humidity, non-condensing |
| Humidity (storage) | 8 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 |
| GUI | HPE Aruba Networking EdgeConnect Enterprise Operating System (ECOS) includes a Web User Interface which manages an individual appliance. HPE Aruba Networking WAN Orchestrator provides centralized configuration, monitoring and management of multiple HPE Aruba Networking EdgeConnect SD-WAN Gateways appliances. |
| API | REST API at appliance level. HPE Aruba Networking WAN Orchestrator provides REST API for systems integration. |
| SNMP | SNMPv2c, SNMPv3 |
| Secure access | SSH and HTTPS (Web UI) |
| Logging | Syslog with configurable levels |
| Authentication | Local database, RADIUS, TACACS+ |
| Statistics | Graphing and monitoring, real-time and historical. NetFlow and IPFIX supported |

HPE Aruba Networking EdgeConnect SD-WAN Gateways L-H (Large)

| | |
|---|--|
| Capacity | |
| WAN bandwidth capacity (all features + encryption) | 2 to 10 Gbps (bidirectional) |
| Simultaneous connections | 2,000,000 |
| Resiliency | |
| Power supplies | Dual redundant |
| Network | WAN link redundancy supported via business intent overlays with multiple link bonding options. LAN-side protection includes VRRP and BGP. Multiple IPSLA options included. |
| Storage | 960GB SSD |



Technical Specifications

| | |
|--|--|
| Routing | BGP and OSPF supported |
| MTBF | Greater than 10 years |
| Security | |
| Disk encryption | 128-bit AES |
| Network encryption (data plane) | IPsec (256-bit AES) |
| Network encryption (management plane) | TLS 1.2 |
| Connectivity | |
| LAN/WAN ethernet | 6 x 1/10Gbps SFP+ transceiver cages as per IEEE 802.3z, 802.3ae, 802.1Q |
| Management | 2 x 10/100/1000; Console port |
| WAN Optimization | |
| Recommended Boost up to | 1 Gbps |
| Power | |
| AC Requirement | 404 W/ 1379 BTU |
| Power Adapter | 1+1 Redundant |
| Dimensions | |
| Height | 1.69 in (42.9 mm) / 1U |
| Width | 17.11 in (434.6 mm) |
| Depth | 27.83 in (706.9 mm) |
| Weight | 32 lbs (14.6 kg) |
| Regulatory | |
| EMC | FCC Part 15 Class A, CISPR 22/23, EN 55032 Class A, EN 55024, VCCI Class A, IEC 610003-2 / 3-3, EN 61000-3-2 / 3-3 |
| Safety | UL 60950-1, IEC 60950-1, IEC 62368 |
| Environmental | |
| Temperature (operating) | 0° C to 40° C (32° to 104° F) |
| Temperature (storage) | -40° C to 65° C (-40° to 149° F) |
| Humidity (operating) | 10 to 80 percent relative humidity, non-condensing |
| Humidity (storage) | 8 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 |
| GUI | HPE Aruba Networking EdgeConnect Enterprise Operating System (ECOS) includes a Web User Interface which manages an individual appliance. HPE Aruba Networking WAN Orchestrator provides centralized configuration, monitoring and management of multiple HPE Aruba Networking EdgeConnect SD-WAN Gateways appliances |
| API | REST API at appliance level. HPE Aruba Networking WAN Orchestrator provides REST API for systems integration. |
| SNMP | SNMPv2c, SNMPv3 |
| Secure access | SSH and HTTPS (Web UI) |
| Logging | Syslog with configurable levels |
| Authentication | Local database, RADIUS, TACACS+ |
| Statistics | Graphing and monitoring, real-time and historical. NetFlow and IPFIX supported |



Technical Specifications

HPE Aruba Networking EdgeConnect SD-WAN Gateways XL-H (Extra-Large)

| | |
|---|--|
| Capacity | |
| WAN bandwidth capacity (all features + encryption) | 2 to 10 Gbps (bidirectional) |
| Simultaneous connections | 2,000,000 |
| Resiliency | |
| Power supplies | Dual redundant |
| 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. |
| Storage | ECOS: 960GB SSD, Network Memory (-NM): 3.2TB NVMe |
| Routing | BGP and OSPF supported |
| MTBF | Greater than 10 years |
| Security | |
| Disk encryption | 128-bit AES |
| Network encryption (data plane) | IPsec (256-bit AES) |
| Network encryption (management plane) | TLS 1.2 |
| Connectivity | |
| LAN/WAN ethernet | SKU JZ881A - 6 x 1/10Gbps SFP+ or 10/25Gbps SFP28 transceiver cages as per IEEE 802.3z, 802.3ae, 802.1Q, 802.3by, 802.3cc SKU SOB67A - 6 x 1/10Gbps SFP+ transceiver cages as per IEEE 802.3z, 802.3ae, 802.1Q |
| Management | 2 x 10/100/1000; Console port |
| WAN Optimization | |
| Recommended Boost up to | 5 Gbps |
| Power | |
| AC Requirement | SKU JZ881A - 435W / 1484 BTU SKU SOB67A - 413W / 1409 BTU |
| Power Adapter | 1+1 Redundant, AC |
| Dimensions | |
| Height | 1.69 in (42.9 mm) / 1U |
| Width | 17.11 in (434.6 mm) |
| Depth | 27.83 in (706.9 mm) |
| Weight | 33.5 lbs (15.2 kg) |
| Regulatory | |
| EMC | FCC Part 15 Class A, CISPR 22/23, EN 55032 Class A, EN 55024, VCCI Class A, IEC 610003-2 / 3-3, EN 61000-3-2 / 3-3 |
| Safety | UL 60950-1, IEC 60950-1, IEC 62368 |
| Environmental | |
| Temperature (operating) | 0° C to 40° C (32° to 104° F) |
| Temperature (storage) | -40° C to 65° C (-40° to 149° F) |
| Humidity (operating) | 10 to 80 percent relative humidity, non-condensing |
| Humidity (storage) | 8 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 |
| GUI | HPE Aruba Networking EdgeConnect Enterprise Operating System (ECOS) includes a Web User Interface which manages an individual appliance. HPE Aruba Networking WAN Orchestrator provides centralized configuration, monitoring and management of multiple HPE Aruba Networking EdgeConnect SD-WAN Gateways appliances |

Technical Specifications

| | |
|-----------------------|---|
| API | REST API at appliance level. HPE Aruba Networking WAN Orchestrator provides REST API for systems integration. |
| SNMP | SNMPv2c, SNMPv3 |
| Secure access | SSH and HTTPS (Web UI) |
| Logging | Syslog with configurable levels |
| Authentication | Local database, RADIUS, TACACS+ |
| Statistics | Graphing and monitoring, real-time and historical. NetFlow and IPFIX supported |



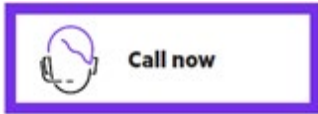
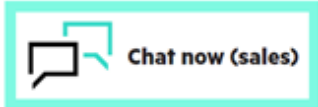
Summary of Changes

| Date | Version History | Action | Description of Change |
|-------------|-----------------|---------|---|
| 05-Feb-2024 | Version 7 | Changed | Configuration Information section was updated. |
| 22-Jan-2024 | Version 6 | Changed | Series name was updated. |
| 02-Oct-2023 | Version 5 | Changed | Configuration Information section was updated. |
| 05-Sep-2023 | Version 4 | Changed | Standard Features, Configuration Information and Technical Specifications sections were updated. |
| 05-Dec-2022 | Version 3 | Changed | Technical Specifications section was updated. |
| 03-Oct-2022 | Version 2 | Changed | Configuration Information and Technical Specifications sections were updated. New EC-XL-H models added. |
| 02-May-2022 | Version 1 | New | New QuickSpecs |



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