

HPE Aruba Networking EdgeConnect SD-WAN

HPE Aruba Networking EdgeConnect 10150 8x SFP28 2x RJ45 2xPSU NAL SD-WAN Gateway (S3P34A)



What's new

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

Overview

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

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

Features

Enhanced Performance and Cost Efficiency

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

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

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

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

Seamless Multi-cloud Connectivity

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

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

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

Simplified Branch Security with a Secure SD-WAN

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

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

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

Accelerated SASE Adoption

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

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

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

Technical specifications	HPE Aruba Networking EdgeConnect 10150 8x SFP28 2x RJ45 2xPSU NAL SD-WAN Gateway
Product Number	S3P34A
Differentiator	China NAL Certification, only for mainland China. Key features of the EC-10150 include high-availability support, up to eight network interfaces supporting 1/10 Gbps SFP+ or 25 Gbps SFP28 transceivers, and two RJ45 interfaces. It supports WAN bandwidths up to 12 Gbps (bidirectional) and optional NVMe-based drives to boost WAN optimization and data deduplication capacity.
Regulatory	EMC: 47 CFR FCC Part 15B/ICES-003 Issue 7 Class A, EN 55032 Class A, EN55035, IEC/EN 61000-3-2/3-3, VCCI Class A, CISPR 32 Class B, CISPR 35. Safety: IEC/EN 60950-1:2005 IEC/EN 62368-1 (2nd and 3rd Ed) UL 62368-3rd Ed, CSA C22.2 No. 62368-1:19 3rd Ed.
Warranty	See the warranty duration guide
Input voltage	100-240 VAC

Technical specifications	HPE Aruba Networking EdgeConnect 10150 8x SFP28 2x RJ45 2xPSU NAL SD-WAN Gateway
Connectivity, standard	WAN bandwidth capacity: Up to 12 Gbps (bidirectional) Simultaneous connections: 2,000,000 Recommended WAN optimization: up to 8 Gbps (bidirectional) Network: 10 versatile interfaces supporting any combination of WAN and LAN, including support for up to 128 802.1q VLANs; WAN link redundancy is supported through business intent overlays with multiple link bonding options. LAN-side protection includes VRRP, OSPF with BFD, and BGP with BFD Multiple IPSLA options supported 802.1 AX Link Aggregation supported Routing: Static, VRRP, BGP, and OSPF—Supports up to 60,000 IPv4 prefixes and 30,000 IPv6 prefixes Security: FIPS Federal Information Processing Standards (FIPS) 140-2, level 1 Common criteria Collaborative Protection Profile for Network Devices (NDcPP) v2.2e PP-module for VPN gateways version 1.3 PP-module for stateful traffic filter firewalls, version 1.4 CSfC RFC8784 post-quantum pre-shared keys Disk encryption 128-bit AES Network encryption (data plane) IPSec (256-bit AES) Network encryption (management plane) TLS 1.2 Authentication Strict password enforcement, RADIUS, TACACS+ TPM TPM 2.0 supported
Ports	Data plane Ethernet ports: 8x 1/10 Gbps SFP+ or 10/25 Gbps SFP28 transceiver cages as per IEEE 802.3z, 802.3ae, 802.1Q, 802.3by, 802.3cc, 802.3ab, 802.3i 2x 10M/100M/1000M RJ45 Management ports: Management: 2x 10M/100M/1000M RJ45; console port (DB-9)
Mounting	1U rack-mountable gateway
Power consumption	Power supply: 1+1 redundant, 800W AC AC requirement: 423W / 1443 BTU without network memory drives and 456W / 1518 BTU with network memory drives

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HPE Aruba Networking Services

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

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

Support Services

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

Professional Services

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

Project based services include:

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

Annual subscription services include:

- Network optimization
- Intelligent Operations
- Customer Experience Management

Our [Education Services](#) allow your team to come up to speed quickly.

HPE GreenLake for Networking

Our NaaS solution, is part of the HPE GreenLake services family, and simplifies network operations, accelerates equipment handling, and increases the value of your HPE Aruba Networking solution. If you need expert guidance and automation-based operations for your team, please explore our NaaS approach through HPE GreenLake for Networking.

[For additional technical information, available models and options, please reference the QuickSpecs](#)

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Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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