HPE Aruba Networking EdgeConnect SD-WAN

HPE Aruba Networking EdgeConnect Medium-H 4x SFP+ 10x RJ45 AC PSU 2xSSD NAL SD-WAN Gateway (S3N75A)

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 Medium-H 4x SFP+ 10x RJ45 AC PSU 2xSSD NAL SD-WAN Gateway
Product Number	S3N75A
Ports	LAN/WAN ethernet: 8 x 10/100/1000 (4 LAN/4 WAN) as per IEEE 802.3i, 802.3u, 802.3ab, 802.1Q and 4 x 1/10 Gbps SFP+ optical interfaces that can support pluggable optics Management: 2 x 10/100/1000; Console port
Regulatory	EMC: FCC Part 15 Class A; EN 55022 Class A; EN 61000-3-2/3-3 Safety: EN 55024; L/cUL 60950 / 62368; EN 60950 / 62368
Warranty	See the warranty duration guide
Connectivity, standard	WAN bandwidth capacity: 50 Mbps to 5 Gbps (bidirectional) Simultaneous connections: 2,000,000 Recommended WAN optimization: up to 1 Gbps Network: WAN link redundancy supported through business intent overlays with multiple link bonding options; LAN-side protection includes VRRP and BGP; Multiple IPSLA options included Routing: BGP and OSPF support Security: Disk encryption 128-bit AES Network encryption (data plane) IPSec (256-bit AES) Network encryption (management plane) TLS 1.2
Input voltage	100-240 VAC
Power consumption	153W/522 BTU
Differentiator	Installed on appliance: Fixed rack mount ear brackets with cage nuts and screws for square holes (NAL Compliant - For China Deployment Only) 50 - 5000 Mbps WAN Capacity Supports up to 1Gbps of Boost 2 x 480 GB SSD Includes 2 Power Supplies & 2 Power Cords 8 x 10/100/1000 LAN/WAN Ports 4 x 1/10 Gbps LAN/WAN Ports (Min0/Max4 SFP/SFP+ XCVRs) 1U - Height

HPE Aruba Networking Services

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

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

Support Services

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

Professional Services

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

Project based services include:

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

Annual subscription services include:

— Network optimization
— Intelligent Operations
— Customer Experience Management

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

GreenLake for Networking

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

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

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