

HPE Aruba Networking EdgeConnect SD-WAN

HPE Aruba Networking EdgeConnect 10104 4x RJ45 TAA SD-WAN Gateway (S3N78A)



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

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 10104 4x RJ45 TAA SD-WAN Gateway
Product Number		S3N78A
Differentiator		Standard table- top appliance. TAA Compliant. Included in packaging box: Table top rubber feet and External Power Supply 2 - 500Mbps WAN Capacity Supports up to 200Mbps of Boost Includes 1 Power Adapter, 1 Power Cord & 1 Wall Mount 4 x 10/100/1000 LAN/WAN Ports 1U - Height
Regulatory		EMC: 47 CFR FCC Part15B/ICES-003 Issue 7 Class B, EN 55032 Class B, EN55035, IEC/N61000-3-2/3-3, VCCI Class B, CISPR 32 Class B, CISPR 35, EN 300 386 V2.1.1 Safety: IEC/EN 60950-1:2005 w/all known National Deviations, IEC/EN 62368-1(2nd and 3rd Ed) w/all known National Deviations, UL 62368-1 3rd Ed, CSA C22.2 No. 62368-1:19 3rd Ed
Warranty		See the warranty duration guide
Input voltage		100-240 VAC
Connectivity, standard		WAN bandwidth capacity: 2 to 500 Mbps (bidirectional) Simultaneous connections: 256,000 Recommended WAN optimization: up to 200 Mbps Network: 4 ports supporting any combination of WAN and LAN including support for up to 64 802.1q VLANs. WAN link redundancy supported via business intent overlays with multiple link bonding options. LAN-side protection includes VRRP and BGP. Multiple IPSLA options included. Routing: BGP and OSPF support Security: Disk encryption AES-128 Network encryption IPSec (AES-256)
Ports		LAN/WAN ethernet: LAN/WAN ethernet: 4 x 10/100/1000 LAN/WAN (2 LAN/2 WAN) as per IEEE 802.3i, 802.3u, 802.3ab, 802.1Q Management: Console port (RJ45, microUSB) USB: 1 x USB 3.0
Power consumption		48 W / 163.78 BTU

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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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[PSN1014839286USEN](#), February, 2026.

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