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ARUBA EDGECONNECT S

The Aruba EdgeConnect Small (S) is a compact form factor thin edge appliance that serves to build an SD-WAN fabric using zero touch provisioning. It supports MPLS, 4G/5G/LTE, and internet-based hybrid WAN data paths and a control plane that is automated and secured by Aruba Orchestrator management software to provide policy-based virtual network segmentation and acceleration of on-premise and SaaS cloud applications. Key features of the

Aruba EdgeConnect S include compact size, quiet operations, flexible mounting options, 8 x RJ45 10/100/1000 Mbps ports plus 4 x 1/10 Gbps SFP+ ports (pluggable), and high availability through optional dual redundant power supply and built-in storage redundancy, making it an ideal appliance for large branch and remote office environments with typical WAN bandwidth from 10 Mbps to 2 Gbps.

Capacity	
WAN bandwidth capacity (all features + encryption)	10 to 2,000 Mbps
Simultaneous connections	256,000
Resiliency	
Drives	SSD — dual
Power supplies	EC-S-P: single and dual redundant options EC-S: 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	EC-S-P: 177,726 hours (20 years) EC-S: 50,827 hours (5.8 years)
Security	
Disk encryption	128-bit AES
Network encryption	IPsec (256-bit AES)
Connectivity	
LAN/WAN ethernet	EC-S-P: 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 EC-S: 6 x 10/100/1000 LAN WAN (3 LAN/3 WAN) as per IEEE 802.3i, 802.3u, 802.3ab, 802.1Q optical module for 2 x 1/10Gbps ethernet fiber data ports (1 LAN/1 WAN) as per IEEE 802.3z, 802.3ae, 802.Q
Management	2 x 10/100/1000; console port

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
In-line bridge mode	EC-S-P: not supported EC-S: in-line between L2 switch and WAN router with fail-to-wire (copper only) in case of failure, 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	
AC requirement	EC-S-P: 100-240VAC / 47-63Hz / 300W EC-S: 100-240VAC / 47-63Hz / 100W
AC power supplies	EC-S-P: single or dual EC-S: single
DC requirement	EC-S-P: -48V / -40V ~ -60V / 103W
DC power supplies	EC-S-P: single or dual
Dimensions	
Height	EC-S-P: 1.7 in (44 mm) EC-S: 1.73 in (44 mm)
Width	EC-S-P: 17.2 in (438 mm) EC-S: 17 in (431 mm)
Depth	EC-S-P: 16.5 in (420 mm) EC-S: 12 in (305 mm)
Weight	EC-S-P: 18.14 lbs (8.23 kg) EC-S: 11 lbs (5 kg)

Regulatory

EMC	EC-S-P: FCC Part 15 Class A, EN 55024/55032/55035 Class A, VCCI Class A, EN 61000-3-2/3-3 EC-S: FCC Part 15 Class A, EN 55022 Class A, VCCI Class A, EN 61000-3-2/3-3, EN 55024
Safety	EC-S-P: UL/CB 60950-1 / 62368-1, EN 60950 / 62368 EC-S: UL/cUL/60950, EN 60950

Environmental

Temperature (operating)	EC-S-P: 0° C to 40° C (32° to 104° F) EC-S: 10° C to 35° C (50° to 95° 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	Aruba Orchestrator provides centralized configuration, monitoring and management of multiple Aruba EdgeConnect 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

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