

Balance SDX



Quick Look

Cellular	Ethernet WAN	Ethernet LAN	Stateful Firewall Throughput	SpeedFusion VPN Throughput (No Encryption)	SpeedFusion VPN Throughput (256-bit AES)
Up to 3*	2-10 (GE)*%	8-16 (GE)*%	12Gbps	1Gbps	600Mbps

Interfaces

SFP LAN/WAN	2 / 6 (10G SFP+)*%
Wi-Fi AP	No
USB	2

Performance

Recommended Users	500-2000
Number of SpeedFusion VPN Peers	300
Maximum Number of AP Supported	250

Performance

SpeedFusion Hot Failover	Yes	High Availability	Yes
SpeedFusion WAN Smoothing	Yes	Content Filtering (Lite/Full)	Full
SpeedFusion Bandwidth Bonding	Yes	Pepwave AP Series Management	Yes
Remote SIM (used in SIM Injector)	No	Remote AP & Multiple Config Profiles Management	Yes
Central Management	InControl 2	LAN Bypass	No
Drop In Mode	Yes	Remote User Access	Yes

Core Funtionality

802.1q VLANs Supported	1024
Port-Based VLAN	Yes
Load Balancing & Failover	Yes
Load Balancing Algorithms	8
Inbound Load Balancing	Yes
InControl Cloud Management	Yes

IPsec/L2TP/PPTP VPN Functionality

SpeedFusion VPN	Yes
IPsec VPN (Network-to-Network)	Yes
Number of IPsec Tunnels	200
L2TP VPN Server	Yes
OpenVPN Server	Yes
PPTP VPN Server	Yes
Maximum PPTP/L2TP/ OpenVPN Users	200
GRE (Network-to-Network)	5

Advanced QoS Functionality

Bandwidth Usage Monitor	Yes
QoS for VoIP and E-Commerce	Yes
User Groups Bandwidth Control	Yes
Web Blocking	Yes

Hardware

LACP (802.3ad) NIC Bonding	Yes #
PoE+ Output	Yes*
Rack-mount	Yes (1U)
Dual Hot Swap Power Supply	No
Power Consumption	80W system +330W PoE+ budget
Operating Temperature	32° – 104°F 0° – 40°C

Certifications

FCC, CE, RoHS	Yes
Warranty	1-Year Limited Warranty

[*] Expansion Module.

Balance SDX supports 1 expansion module includes 1TB SSD(Features Content Hub, Docker Support and LCD Controls) or 3x Cellular modems(CAT6/12) or 2x Cellular modems(CAT-18) or 2x 5G modems or 8x LAN/WAN GE PoE ports or 4x SFP+ LAN/WAN ports.

[%] Expansion module Fiber/Ethernet ports are configured as a LAN port by default, LAN ports as WAN Ports configuration is changeable on the Web Admin.

[#] Supported on embedded WAN as LAN ports and FlexModule (EXM-8C & EXM-4F) only.

[1] For a list of supported modems, please refer to <https://www.peplink.com/technology/4g3g-modem-support/>.

[2] Recommendation for sizing purposes only. No software restrictions applied.

[3] Router Throughput and SpeedFusion VPN Throughput is based on Ethernet frame sizes of 1280 or 1518 bytes. Actual performance can vary across different networking environments. Figures apply to the latest hardware revision. The throughput result is tested with DHCP/Static IP.

[4] The number of peer Peplink or Pepwave devices you can connect using SpeedFusion VPN.

[5] IPsec only supports connection with Cisco, Juniper, Peplink or Pepwave devices.

Balance 20/30 LTE/One/210/310 comes with AP Controller Standard, which supports up to two configuration profiles with multiple SSIDs, meaning that all APs will share the same configuration, and you can only manage APs on the local physical LAN. 305/310 5G/310 5G Fiber/380/380X/580/580X/710/1350/2500/SDX/SDX