



Quick Look

Number of Ethernet WAN port	5 (GE)	
Number of Ethernet LAN port	3 (GE)	
Router Throughput	4Gbps ^[1]	[1] Router Throughput and PepVPN/SpeedFusion 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.
SpeedFusion VPN Throughput (No Encryption)	500Mbps ^[1]	[1] Router Throughput and PepVPN/SpeedFusion 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.
SpeedFusion VPN Throughput (256-bit AES)	500Mbps ^[1]	[1] Router Throughput and PepVPN/SpeedFusion 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.
Number of Cellular Modem	Up to 1 ^[2]	[2] Require FlexModule Mini.

Interfaces

Maximum Ethernet WAN / LAN port configuration	5 WAN with 3 LAN
SFP LAN / WAN	No
Serial Interface	No
Wi-Fi AP	No
Wi-Fi WAN	No
USB WAN	Yes (1x USB)

Module Expansion	Yes (1 slot for FlexModule Mini)
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Performance

Maximum Number of Controlled AP / Switch	100
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Number of Recommended Users	300–1000
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Wireless details

Cellular Modem Category options	1x CAT-4 (With FlexModule Mini), 1x CAT-6 (With FlexModule Mini), 1x CAT-7 (With FlexModule Mini), 1x CAT-12 (With FlexModule Mini), 1x CAT-18 (With FlexModule Mini), 1x CAT-20 (With FlexModule Mini), 1x 5G (With FlexModule Mini)
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5G support	Yes
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SIM Slots	Up to 2 ^[3]
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[3] Require FlexModule Mini. Balance 580X support a expansion module with 1x Cellular modem.

SIM Card Size	Mini-SIM (2FF)
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Wi-Fi Radio	No
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Wi-Fi Antenna Transmit Power (2.4GHz, single chain)	No
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Wi-Fi Antenna Transmit Power (5GHz, single chain)	No
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Multiple SSIDs	No
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GPS	No
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RemoteSIM (used in SIM Injector)	Yes ^[2]
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[2] Require FlexModule Mini.

FusionSIM	Yes ^[2]
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[2] Require FlexModule Mini.

Peplink eSIM Data Plans	Yes ^[4]
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[4] Require Firmware 8.3.0 or above and compatible FlexModule Mini.

BYO eSIM	Yes ^[5]
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[5] Require Firmware 8.4.0 or above and compatible FlexModule Mini.

Features

SpeedFusion Hot Failover **Yes**

SpeedFusion Smoothing **Yes**

SpeedFusion Bandwidth Bonding **Yes**

SpeedFusion Connect **Yes** ^[6]

[6] CarePlan subscription includes 1TB/year complimentary SpeedFusion Connect Usage data.

SpeedFusion Relay Mode (Server) **Yes**

Drop-In Mode **Yes**

High Availability **Yes**

Peplink AP Series Management **Yes**

Remote AP & Multiple Config Profiles Management **Yes**

Switch Controller **Yes**

WAN as LAN **No**

LAN Bypass **Yes**

InTouch **Yes**

Virtual WAN **Yes** ^[7]

[7] Up to 10 Virtual WAN if purchasing Virtual WAN Activation Licence.

Synergy Mode (Controller) **Yes**

Synergized Device **No**

Application and Web Blocking **Yes**

Web Content Filtering **Full**

IP Passthrough **Yes**

IPv6 **Yes**

x.509 Certificate **Yes**

Captive Portal	Yes
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GPIO	No
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Ignition Sensing	No
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Netflow Support	Yes
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LACP (802.3ad) NIC Bonding	Yes
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Jumbo Frame Support	Yes
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Internal Storage for Edge Computing	No
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External Storage via USB Port	Yes ^[8]
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[8] Require Firmware 8.4.0 or above. Support Docker.

Dead Reckoning	No
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Core Functionality

Inter-VLAN Routing	Yes
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802.1q VLANs Supported	1024
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Port-Based VLAN	Yes
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Load Balancing & Failover	Yes
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Load Balancing Algorithms	8
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Inbound Load Balancing	Yes
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InControl 2 Cloud Management	Yes
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InControl GPS Fleet Management	No
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Advanced QoS Functionality

Bandwidth Usage Monitoring	Yes
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QoS for VoIP and E-Commerce	Yes
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User Groups Bandwidth Control	Yes
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VPN Functionality

SpeedFusion VPN	Yes
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Number of SpeedFusion VPN Peers	50 or 100 ^[9]
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[9] SpeedFusion VPN Peers license, it can change the maximum number of SpeedFusion VPN peer. Balance 580X,SFN-LC-100. Up to 100 SpeedFusion VPN peers.

IPsec VPN	Yes
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Number of IPsec Tunnels	100
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L2TP VPN / Open VPN / PPTP VPN Server	Yes
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Maximum PPTP / L2TP / OpenVPN Users	100
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Remote RADIUS / LDAP authentication in Remote User Access	Yes
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Number of OpenVPN Tunnel (Site to Site)	5
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Number of GRE Tunnel (Site to Site)	5
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Hardware

Enclosure	Indoor, Metal
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4pin Molex Micro-Fit Connector	No
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Terminal Block Power Connector for Mobile / Vehicular Deployment	No
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AC Adapter or PSU	Power Cord (ACW-614)
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Input voltage	AC 100–240V
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PoE Input	No
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PoE Output	No
USB Power Input	No
Nominal Power Consumption	NA
Maximum Power Consumption	35W (for the main chassis)
Dimensions in inches	17.3 x 10.4 x1.73 inches
Dimensions in mm	441 x 265 x 44 mm
Weight (Pound)	7.3 pounds
Weight (Gram / Kilogram)	3.3 kg
Operating Temperature	32°–104 °F, 0°–40°C
Humidity	10%–85% (non-condensing)
Rack-mount	1U
Dual Hot Swap Power Supply	No

Warranty Info

Warranty	1-Year Limited Warranty
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