



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)**

Performance

Maximum Number of Controlled AP / Switch **100**

Number of Recommended Users **300–1000**

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)**

5G support **Yes**

SIM Slots **Up to 2** ^[3]

^[3] Require FlexModule Mini. Balance 580X support a expansion module with 1x Cellular modem.

SIM Card Size **Mini-SIM (2FF)**

Wi-Fi Radio **No**

Wi-Fi Antenna Transmit Power (2.4GHz, single chain) **No**

Wi-Fi Antenna Transmit Power (5GHz, single chain) **No**

Multiple SSIDs **No**

GPS **No**

RemoteSIM (used in SIM Injector) **Yes** ^[2]

^[2] Require FlexModule Mini.

FusionSIM **Yes** ^[2]

^[2] Require FlexModule Mini.

Peplink eSIM Data Plans **Yes** ^[4]

^[4] Require Firmware 8.3.0 or above and compatible FlexModule Mini.

BYO eSIM **Yes** ^[5]

^[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
GPIO	No
Ignition Sensing	No
Netflow Support	Yes
LACP (802.3ad) NIC Bonding	Yes
Jumbo Frame Support	Yes
Internal Storage for Edge Computing	No
External Storage via USB Port	Yes ^[8]
Dead Reckoning	No

[8] Require Firmware 8.4.0 or above. Support Docker.

Core Functionality

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

Advanced QoS Functionality

Bandwidth Usage Monitoring	Yes
QoS for VoIP and E-Commerce	Yes

User Groups Bandwidth Control **Yes**

VPN Functionality

SpeedFusion VPN **Yes**

Number of SpeedFusion VPN Peers **50 or 100** ^[9]

[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**

Number of IPsec Tunnels **100**

L2TP VPN / Open VPN / PPTP VPN Server **Yes**

Maximum PPTP / L2TP / OpenVPN Users **100**

Remote RADIUS / LDAP authentication in Remote User Access **Yes**

Number of OpenVPN Tunnel (Site to Site) **5**

Number of GRE Tunnel (Site to Site) **5**

Hardware

Enclosure **Indoor, Metal**

4pin Molex Micro-Fit Connector **No**

Terminal Block Power Connector for Mobile / Vehicular Deployment **No**

AC Adapter or PSU **Power Cord (ACW-614)**

Input voltage **AC 100–240V**

PoE Input **No**

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 x 1.73 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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