



Quick Look

Number of Ethernet WAN port	1 (10GE), 0-4 (2.5GE) ^[1]	[1] Ethernet WAN ports 2-5 are configurable WAN/LAN ports. WAN/LAN Configuration is changeable on the Web Admin.
Number of Ethernet LAN port	1 (10GE), 4-8 (2.5GE) ^[1]	[1] Ethernet WAN ports 2-5 are configurable WAN/LAN ports. WAN/LAN Configuration is changeable on the Web Admin.
Router Throughput	8Gbps ^[2]	[2] 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)	1Gbps ^[2]	[2] 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)	1Gbps ^[2]	[2] 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	1 ^[3]	[3] Using expansion module

Interfaces

Maximum Ethernet WAN / LAN port configuration	5 WAN with 5 LAN, 1 WAN with 9 LAN
SFP LAN / WAN	No
Serial Interface	No
Wi-Fi AP	No
Wi-Fi WAN	No

USB WAN **Yes (2x USB-C)**

Module Expansion **Yes**

Performance

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

Number of Recommended Users **500-2000**

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-20 (With FlexModule Mini),
1x 5G (With FlexModule Mini)**

5G support **Yes**

SIM Slots **Up to 2** ^[4] [4] Require FlexModule Mini.Balance 580X support a FlexModule Mini with 1x cellular modem.

SIM Card Size **Mini-SIM (2FF)** ^[4] [4] Require FlexModule Mini.Balance 580X support a FlexModule Mini with 1x cellular modem.

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** ^[5] [5] Require compatible FlexModule Mini.

FusionSIM **Yes** ^[5] [5] Require compatible FlexModule Mini.

Peplink eSIM Data Plans **Yes** ^[5] [5] Require compatible FlexModule Mini.

BYO eSIM

Yes ^[5]^[5] Require 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

Yes

LAN Bypass

No

InTouch

Yes

Virtual WAN

Yes ^[7]^[7] 1 Virtual WAN complimentary with active PrimeCare. Up to 10 Virtual WAN upon 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	No	
Jumbo Frame Support	Yes	
Internal Storage for Edge Computing	Yes (8GB) ^[8]	^[8] Support Application, Docker.
External Storage via USB Port	Yes ^[9]	^[9] Support Docker.
Dead Reckoning	No	

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
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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	100 or 300 or 500 ^[10]
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[10] Supports 100 peers by default. Expansion to 300 or 500 peers is available via optional software licenses (SFN-LC-300 and SFN-LC-500).

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	1x Power Cord
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Input voltage	AC 100–240V	
PoE Input	No	
PoE Output	Yes ^[11]	^[11] 8x 802.3bt 2.5GE WAN/LAN.A DC input voltage of 52V – 56V is required to enable PoE output.
USB Power Input	No	
Nominal Power Consumption	37W	
Maximum Power Consumption	39W ^[12]	^[12] Maximum without USB-C output and PoE output
Dimensions in inches	17.3 x 12.2 x 1.73 inches	
Dimensions in mm	440 x 310 x 44 mm	
Weight (Pound)	9.39 pounds	
Weight (Gram / Kilogram)	4.26 kg	
Operating Temperature	32°–104 °F, 0°–40°C	
Humidity	10%–95% non-condensing	
Rack-mount	1U	
Dual Hot Swap Power Supply	No	

Warranty Info

Warranty	1-Year Limited Warranty
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