



Quick Look

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|--|----------------------------------|---|
| Number of Ethernet WAN port | 1 (10GE), 0-4 (2.5GE) | [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] 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 <small>[6]</small> |
| | <small>[6] CarePlan subscription includes 1TB/year complimentary SpeedFusion Connect Usage data.</small> |
| 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 <small>[7]</small> |
| | <small>[7] 1 Virtual WAN complimentary with active PrimeCare. Up to 10 Virtual WAN upon purchasing Virtual WAN Activation Licence.</small> |
| 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) <small>[8]</small> | <small>[8] Support Application, Docker.</small> |
| External Storage via USB Port | Yes <small>[9]</small> | <small>[9] Support Docker.</small> |
| 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**

QoS for VoIP and E-Commerce **Yes**

User Groups Bandwidth Control **Yes**

VPN Functionality

SpeedFusion VPN **Yes**

Number of SpeedFusion VPN Peers **100 or 300 or 500** [10]

[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**

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 **1x Power Cord**

| | | |
|----------------------------|----------------------------------|---|
| Input voltage | AC 100–240V | |
| PoE Input | No | |
| PoE Output | Yes <small>[11]</small> | <small>[11] 8x 802.3bt 2.5GE WAN/LAN. A DC input voltage of 52V – 56V is required to enable PoE output.</small> |
| USB Power Input | No | |
| Nominal Power Consumption | 37W | |
| Maximum Power Consumption | 39W <small>[12]</small> | <small>[12] Maximum without USB-C output and PoE output</small> |
| 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

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| Warranty | 1-Year Limited Warranty |
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