Tech Specs | Enterprise Branch

B One



Quick Look

Number of Ethernet WAN port	**2 (GE)**	
Number of Ethernet LAN port	**4 (GE)**	
Router Throughput	**1Gbps** [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)	**400Mbps** [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)	**200Mbps** [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	**No**	

Interfaces

Maximum Ethernet WAN / LAN port configuration	**2 WAN with 4 LAN**
SFP LAN / WAN	**No**
Serial Interface	**No**
Wi-Fi AP	**Yes**
Wi-Fi WAN	**Yes**
USB WAN	**Yes (1x USB-C)**

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Module Expansion	**No**

Performance

Number of Recommended Users	**1–150**
Maximum Number of Controlled AP / Switch	**30 / 50** [2]

[2] 50 AP is available as a license add-on (AP-LC-50).

Wireless details

Cellular Modem Category options	**No**
5G support	**No**
SIM Slots	**No**
SIM Card Size	**No**
Wi-Fi Radio	**Dual (2.4GHz + 5GHz), 2x2 Wi-Fi 6**
Wi-Fi Antenna Transmit Power (2.4GHz, single chain)	**20dBm**
Wi-Fi Antenna Transmit Power (5GHz, single chain)	**24dBm**
Multiple SSIDs	**16**
GPS	**No**
RemoteSIM (used in SIM Injector)	**No**
FusionSIM	**No**
Peplink eSIM Data Plans	**No**
BYO eSIM	**No**

Features

SpeedFusion Hot Failover	**Yes** [3]

[3] Require PrimeCare Subscription, complimentary for the first year.

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SpeedFusion Smoothing	**Yes** [3]
SpeedFusion Bandwidth Bonding	**Yes** [3]
SpeedFusion Connect	**Yes** [4]
SpeedFusion Relay Mode (Server)	**Yes**
Drop-In Mode	**Yes**
High Availability	**Yes**
Peplink AP Series Management	**Yes**
Remote AP & Multiple Config Profiles Management	**No**
Switch Controller	**Yes**
WAN as LAN	**No**
LAN Bypass	**No**
InTouch	**Yes**
Virtual WAN	**Yes** [5]
Synergy Mode (Controller)	**Yes**
Synergized Device	**Yes**
Application and Web Blocking	**Yes**
Web Content Filtering	**Full**
IP Passthrough	**Yes** [6]
IPv6	**Yes**
x.509 Certificate	**Yes** [7]
Captive Portal	**Yes**

[3] Require PrimeCare Subscription, complimentary for the first year.

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[4] PrimeCare subscription includes 500GB/year complimentary SpeedFusion Connect Usage data.

[5] 1 Virtual WAN complimentary with active PrimeCare. Up to 3 Virtual WAN upon purchasing Virtual WAN Activation Licence.

[6] Available for Firmware 8.5.0 or above.

[7] Require IPsec X.509 Certificate License Key.

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

[8] Require software add-on licence (LIC-DOC) and Firmware 8.5.2 or above to enable edge computing (Docker).

Core Functionality

Inter-VLAN Routing	**Yes**
802.1q VLANs Supported	**16**
Port-Based VLAN	**Yes**
Load Balancing Algorithms	**8**
Load Balancing & Failover	**Yes**
Inbound Load Balancing	**No**
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**

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VPN Functionality

SpeedFusion VPN	**Yes**
Number of SpeedFusion VPN Peers	**2 / 5 / 10 / 20** [9]
IPsec VPN	**Yes**
Number of IPsec Tunnels	**5**
L2TP VPN / Open VPN / PPTP VPN Server	**Yes**
Maximum PPTP / L2TP / OpenVPN Users	**15**
Remote RADIUS / LDAP authentication in Remote User Access	**No**
Number of OpenVPN Tunnel (Site to Site)	**5**
Number of GRE Tunnel (Site to Site)	**5**

[9] 2 SpeedFusion VPN Peers are enabled by default. 5 SpeedFusion VPN Peers are enabled with PrimeCare Subscription, complimentary for the first year. 10 or 20 SpeedFusion VPN peers can be enabled with software license (PVN-LC-10 and PVN-LC-20).

Hardware

Enclosure	**Indoor, Plastic**
4pin Molex Micro-Fit Connector	**Yes**
Terminal Block Power Connector for Mobile / Vehicular Deployment	**No**
AC Adapter or PSU	**AC Input 100V–240V,** [10] **DC Output 12V 3A**
Input voltage	**DC 10–30V**
PoE Input	**No**
PoE Output	**No**

[10] Compatible with ACW-672.

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USB Power Input	**No**
Nominal Power Consumption	**6W**
Maximum Power Consumption	**15W** [11]
Dimensions in inches	**10.31 x 6.33 x 1.31inch**
Dimensions in mm	**262 x 161 x 33.5mm**
Weight (Pound)	**1.6 pounds**
Weight (Gram / Kilogram)	**727 grams**
Operating Temperature	**-40°–113°F,** **-40°–45°C**
Humidity	**10%–90% (non-condensing)**
Rack-mount	**No**
Dual Hot Swap Power Supply	**No**

[11] Maximum without USB-C output.

Warranty Info

Warranty	**1-Year Limited Warranty**

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