



Quick Look

| | | |
|--|----------------------------------|---|
| Number of Ethernet WAN port | 3 / 2 (GE) ^[1] | [1] WAN 3 is configured as a LAN port by default, configuration is changeable on the Web Admin. |
| Number of Ethernet LAN port | 8 / 9 (GE) ^[1] | [1] WAN 3 is configured as a LAN port by default, configuration is changeable on the Web Admin. |
| Router Throughput | 2.5Gbps ^[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) | 600Mbps ^[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) | 500Mbps ^[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 | 2 | |

Interfaces

| | |
|---|---|
| Maximum Ethernet WAN / LAN port configuration | 3 WAN with 8 LAN, 2 WAN with 9 LAN |
| SFP LAN / WAN | No |
| Serial Interface | No |
| Wi-Fi AP | Yes |
| Wi-Fi WAN | Yes |
| USB WAN | Yes (2x USB) |

Module Expansion **Yes**

Performance

Number of Recommended Users **50–500**

Maximum Number of Controlled AP / Switch **30 / 50** ^[3]

^[3] 50 AP is available as a license add-on (AP-LC-50).

Wireless details

Cellular Modem Category options **2x CAT-12,
2x CAT-18,
2x CAT-18 (ESN),
2x CAT-20**

5G support **No**

SIM Slots **4**

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

Wi-Fi Radio **Dual (2.4GHz + 5GHz),
2x2 Wi-Fi 5**

Wi-Fi Antenna Transmit Power (2.4GHz, single chain) **24dBm**

Wi-Fi Antenna Transmit Power (5GHz, single chain) **21dBm**

Multiple SSIDs **16**

GPS **Yes**

RemoteSIM (used in SIM Injector) **Yes**

FusionSIM **Yes**

Peplink eSIM Data Plans **Yes (HW4+)** ^[4]

^[4] Require Firmware 8.3.0 or above and supported for selected SKU.

BYO eSIM **Yes (HW4+)** ^[5]

^[5] Require Firmware 8.4.0 or above and supported for selected SKU.

Features

| | | |
|---|--------------------|---|
| SpeedFusion Hot Failover | Yes | |
| SpeedFusion Smoothing | Yes | |
| SpeedFusion Bandwidth Bonding | Yes | |
| SpeedFusion Connect | Yes ^[6] | [6] CarePlan subscription includes 2.5TB/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 | No | |
| Switch Controller | Yes | |
| WAN as LAN | Yes | |
| LAN Bypass | No | |
| InTouch | Yes | |
| Virtual WAN | Yes ^[7] | [7] Up to 40 Virtual WAN if purchasing Virtual WAN Activation Licence. |
| Synergy Mode (Controller) | Yes | |
| Synergized Device | Yes | |
| Application and Web Blocking | Yes | |
| Web Content Filtering | Lite | |
| IP Passthrough | Yes ^[8] | [8] Available for Firmware 8.5.0 or above. |
| IPv6 | Yes | |
| x.509 Certificate | Yes | |

| | | |
|-------------------------------------|--|--|
| Captive Portal | Yes | |
| GPIO | Yes | |
| Ignition Sensing | Yes | |
| Netflow Support | Yes | |
| LACP (802.3ad) NIC Bonding | Yes ^[9] | [9] Require Firmware 8.4.1 or above. |
| Jumbo Frame Support | Yes | |
| Internal Storage for Edge Computing | Available with MBX MediaFast / MBX EC version ^[10] | [10] Support Application, Docker, KVM. Please contact Peplink Business Development team for details. |
| External Storage via USB Port | Yes ^[11] | [11] Support Docker and KVM. |
| Dead Reckoning | Yes | |

Core Functionality

| | |
|--------------------------------|------------|
| Inter-VLAN Routing | Yes |
| 802.1q VLANs Supported | 128 |
| 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 | Yes |

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 **3 or 20 or 50** ^[12]

[12] With purchase of optional SpeedFusion License (MAX-HD-020-SPF / SFN-LC-50) can connect to up to 20 / 50 SpeedFusion VPN peers respectively.

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 **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 **Yes**

AC Adapter or PSU **AC Input 100V–240V, ^[13] DC Output 54V 3.34A**

[13] Compatible with ACW-630.

Input voltage **DC 12–56V**

PoE Input **No**

| | |
|----------------------------|--|
| PoE Output | Up to 8x 802.3at PoE+ ^[14] |
| USB Power Input | No |
| Nominal Power Consumption | 33 |
| Maximum Power Consumption | 55W (w/o PoE) |
| Dimensions in inches | 1.7 x 11.5 x 7.0 inches |
| Dimensions in mm | 43 x 292 x 177 mm |
| Weight (Pound) | 7.28 pounds |
| Weight (Gram / Kilogram) | 3.3 kg |
| Operating Temperature | -40°–149°F, -40°–65°C |
| Humidity | 15%–95% (non-condensing) |
| Rack-mount | No |
| Dual Hot Swap Power Supply | No |

[14] 2x 54V DC input is needed for all 8x LAN ports to have 802.3at PoE. Plugging in 1x 54V DC input will result in 4x LAN ports having 802.3at PoE.

Warranty Info

| | |
|----------|--------------------------------|
| Warranty | 1-Year Limited Warranty |
|----------|--------------------------------|