



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	4	

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
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Performance

Number of Recommended Users	50–500
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Maximum Number of Controlled AP / Switch	30 / 50 ^[3]
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[3] 50 AP is available as a license add-on (AP-LC-50).

Wireless details

Cellular Modem Category options	4x 5G
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5G support	Yes
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SIM Slots	8
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SIM Card Size	Mini-SIM (2FF)
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Wi-Fi Radio	Dual (2.4GHz + 5GHz), 2x2 Wi-Fi 5
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Wi-Fi Antenna Transmit Power (2.4GHz, single chain)	24dBm
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Wi-Fi Antenna Transmit Power (5GHz, single chain)	21dBm
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Cellular Antenna Connectors	16 x QMA Cellular Antenna Connectors
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Multiple SSIDs	16
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GPS	Yes
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RemoteSIM (used in SIM Injector)	Yes
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FusionSIM	Yes
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Peplink eSIM Data Plans	Yes (HW4+) ^[4]
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[4] Require Firmware 8.3.0 or above.

BYO eSIM	Yes (HW4+) ^[5]
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[5] Require Firmware 8.4.0 or above.

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 10 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 ^[9]	[9] Support IP Passthrough mode.

x.509 Certificate	Yes	
Captive Portal	Yes	
GPIO	Yes	
Ignition Sensing	Yes	
Netflow Support	Yes	
LACP (802.3ad) NIC Bonding	Yes ^[10]	^[10] Require Firmware 8.4.1 or above.
Jumbo Frame Support	Yes	
Internal Storage for Edge Computing	Available with MBX MediaFast / MBX EC version ^[11]	^[11] Support Application, Docker, KVM. Please contact Peplink Business Development team for details.
External Storage via USB Port	Yes ^[12]	^[12] 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
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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	3 or 20 or 50 ^[13]
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[13] 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
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Number of IPsec Tunnels	5
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L2TP VPN / Open VPN / PPTP VPN Server	Yes
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Maximum PPTP / L2TP / OpenVPN Users	15
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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	Yes
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AC Adapter or PSU	AC Input 100V–240V, ^[14] DC Output 54V 3.34A
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[14] Compatible with ACW-630.

Input voltage	DC 12–56V
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PoE Input	No	
PoE Output	Up to 8x 802.3at PoE+ ^[15]	[15] 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.
USB Power Input	No	
Nominal Power Consumption	35	
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	

Warranty Info

Warranty	1-Year Limited Warranty
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