



Quick Look

Number of Ethernet WAN port	8–56 (GE) ^[1]	[1] Added 8 to 56 GE WAN/LAN by using up to seven "8x LAN/WAN GE PoE ports FlexModule Plus". Please note that "8x LAN/WAN GE PoE ports (HW2) FlexModule" is not applicable to EPX FlexModule Slot 2.
Number of Ethernet LAN port	8–56 (GE) ^[1]	[1] Added 8 to 56 GE WAN/LAN by using up to seven "8x LAN/WAN GE PoE ports FlexModule Plus". Please note that "8x LAN/WAN GE PoE ports (HW2) FlexModule" is not applicable to EPX FlexModule Slot 2.
Router Throughput	30Gbps ^[3]	[3] 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)	4Gbps ^[3]	[3] 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)	4Gbps ^[3]	[3] 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	Up to 24 ^[4]	[4] EPX supports 7 expansion module. However, maximum of 6 FlexModule Plus should be used for cellular WAN purpose. The remaining port is for connecting to LAN devices with WAN/LAN FlexModule. Each cellular FlexModule Plus include either 3x Cellular modems(CAT6/12) or 4x Cellular modems(CAT-12) or 2x Cellular modems(CAT-20) or 2x 5G modems.

Interfaces

Maximum Ethernet WAN / LAN port configuration	55 WAN with 1 LAN, 1 WAN with 55 LAN	
SFP LAN / WAN	4–28 (10G SFP+) ^[2]	[2] Added 4 to 28 SFP WAN/LAN by using up to seven "4x SFP+ FlexModule Plus". Expansion module Fiber ports are configured as a LAN ports by default; LAN ports as WAN Ports configuration is changeable on the Web Admin.
Serial Interface	No	

Wi-Fi AP	No
Wi-Fi WAN	No
USB WAN	No
Module Expansion	Yes (7 slots for FlexModule Plus)

Performance

Maximum Number of Controlled AP / Switch	2000
Number of Recommended Users	5000–20000+

Wireless details

Cellular Modem Category options	18x CAT-6 (With FlexModule Plus), 24x CAT-12 (With FlexModule Plus), 12x CAT-20 (With FlexModule Plus), 12x 5G (With FlexModule Plus)	
5G support	Yes	
SIM Slots	Up to 48 ^[5]	[5] With corresponding cellular FlexModule Plus. If the device is used as SIM injector, EPX support up to seven SIM Injector Module (EXM-SIM-BK56). Each SIM injector can accommodate 56 4FF Nano SIM.
SIM Card Size	Mini-SIM (2FF) ^[6]	[6] Equipped On EXM Flexmodules.
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	Yes ^[7]	[7] Require FlexModule Plus that is equipped with GPS.
RemoteSIM (used in SIM Injector)	Yes ^[8]	[8] Require FlexModule Plus with the membrane marking 'Cellular' and with SIM slot size 4FF.

FusionSIM	Yes ^[8]	[8] Require FlexModule Plus with the membrane marking 'Cellular' and with SIM slot size 4FF.
Peplink eSIM Data Plans	Yes ^[9]	[9] Require Firmware 8.3.0 and FlexModule Plus that is compatible with eSIM.
BYO eSIM	Yes ^[10]	[10] Require Firmware 8.4.0 and FlexModule Plus that is compatible with eSIM.

Features

SpeedFusion Hot Failover	Yes	
SpeedFusion Smoothing	Yes	
SpeedFusion Bandwidth Bonding	Yes	
SpeedFusion Connect	Yes ^[11]	[11] 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	Yes	
Switch Controller	Yes	
WAN as LAN	Yes	
LAN Bypass	No	
InTouch	Yes	
Virtual WAN	Yes ^[12]	[12] Up to 40 Virtual WAN if 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	Yes	
Jumbo Frame Support	Yes	
Internal Storage for Edge Computing	Yes (1TB) ^[13]	^[13] Expansion Module (EXM-LCDT) is required. Support Application, KVM, Docker.
External Storage via USB Port	Yes ^[14]	^[14] Require Firmware 8.4.0 or above. Support Docker and KVM.
Dead Reckoning	Yes ^[7]	^[7] Require FlexModule Plus that is equipped with GPS.

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	Yes ^[7]
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[7] Require FlexModule Plus that is equipped with GPS.

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	4000
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IPsec VPN	Yes
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Number of IPsec Tunnels	1000
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L2TP VPN / Open VPN / PPTP VPN Server	Yes
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Maximum PPTP / L2TP / OpenVPN Users	1000
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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	
AC Adapter or PSU	2x Power Cord (ACW-654)	
Input voltage	AC 100–220V	
PoE Input	No	
PoE Output	Yes (ext GE PoE module only) ^[15]	[15] 8x LAN/WAN GE PoE ports (HW2) FlexModule is not applicable to EPX FlexModule Slot 2.
USB Power Input	No	
Nominal Power Consumption	300W for system and modules	
Maximum Power Consumption	System + 300W PoE+ budget	
Dimensions in inches	18.9 x 21.7 x 3.6 inches	
Dimensions in mm	480 x 550 x 90 mm	
Weight (Pound)	31.3 pounds	
Weight (Gram / Kilogram)	14.2 kg	
Operating Temperature	32°–113°F, 0°–45°C	
Humidity	5%–90% (non-condensing)	
Rack-mount	2U	
Dual Hot Swap Power Supply	Yes	

Warranty Info

Warranty	1-Year Limited Warranty
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