





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
SpeedFusion VPN Throughput (No Encryption)
4Gbps
SpeedFusion VPN Throughput (256-bit AES)
4Gbps

Number of Cellular Modem
Up to 24
[3]
[3] 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 AP Supported
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
[4]
[4] 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)
[5]
[5] 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
[6]
[6] Require FlexModule Plus that is equipped with GPS.
RemoteSIM (used in SIM Injector)
Yes
[7]
[7] Require FlexModule Plus with the membrane marking 'Cellular' and with SIM slot size 4FF.
FusionSIM
Yes
[7]
[7] Require FlexModule Plus with the membrane marking 'Cellular' and with SIM slot size 4FF.
Peplink eSIM Data Plans
Yes
[8]
[8] Require Firmware 8.3.0 and FlexModule Plus that is compatible with eSIM.
BYO eSIM
Yes
[9]

[9] 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

[10]

[10] 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

WAN as LAN

Yes

LAN Bypass

No

InTouch

Yes

Virtual WAN

Yes

[11]

[11] 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

GPIO

No

Captive Portal

Yes

Ignition Sensing

No

Netflow support

Yes

LACP (802.3ad) NIC Bonding

Yes

Internal Storage for Edge Computing

Yes (1TB)

[12]

[12] Expansion Module (EXM-LCDT) is required. Support Application, Docker, KVM.
External Storage via USB Port
Yes
[13]
[13] Require Firmware 8.4.0 or above. Support Docker and KVM.
Dead Reckoning
Yes
[6]
[6] 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

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
4000
IPsec VPN
Yes
Number of IPsec Tunnels
1000
L2TP VPN / Open VPN / PPTP VPN Server
Yes
Maximum PPTP / L2TP / OpenVPN Users
1000
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
2x Power Cord (ACW-654)
Input voltage
AC 100–220V
PoE Input
No
PoE Output
Yes (ext GE PoE module only)
[14]
[14] Please note that 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