



## Quick Look

|  |                      |  |
|--|----------------------|--|
| Number of Ethernet WAN port                | <b>8–56 (GE) [1]</b> | [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                | <b>8–56 (GE) [1]</b> | [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                          | <b>30Gbps [3]</b>    | [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) | <b>4Gbps [3]</b>     | [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)   | <b>4Gbps [3]</b>     | [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                   | <b>Up to 24 [4]</b>  | [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 | <b>55 WAN with 1 LAN,<br/>1 WAN with 55 LAN</b> |   |
| SFP LAN / WAN                                 | <b>4–28 (10G SFP+) [2]</b>                      | [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                              | <b>No</b>                                       |   |

|                  |                                   |
|------------------|-----------------------------------|
| 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),<br>24x CAT-12 (With FlexModule Plus),<br>12x CAT-20 (With FlexModule Plus),<br>12x 5G (With FlexModule Plus) |  |
| 5G support  | Yes  |  |
| SIM Slots   | Up to 48 <sup>[5]</sup>  | [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) <sup>[6]</sup>  | [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 <sup>[7]</sup>   | [7] Require FlexModule Plus that is equipped with GPS.   |
| RemoteSIM (used in SIM Injector)                    | Yes <sup>[8]</sup>   | [8] Require FlexModule Plus with the membrane marking 'Cellular' and with SIM slot size 4FF.   |

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

## Features

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|   |                            |  |
|---|----------------------------|--|
| SpeedFusion Hot Failover                        | <b>Yes</b>                 |  |
| SpeedFusion Smoothing                           | <b>Yes</b>                 |  |
| SpeedFusion Bandwidth Bonding                   | <b>Yes</b>                 |  |
| SpeedFusion Connect                             | <b>Yes</b> <sup>[11]</sup> | [11] CarePlan subscription includes 2.5TB/year complimentary SpeedFusion Connect Usage data. |
| SpeedFusion Relay Mode (Server)                 | <b>Yes</b>                 |  |
| Drop-In Mode                                    | <b>Yes</b>                 |  |
| High Availability                               | <b>Yes</b>                 |  |
| Peplink AP Series Management                    | <b>Yes</b>                 |  |
| Remote AP & Multiple Config Profiles Management | <b>Yes</b>                 |  |
| Switch Controller                               | <b>Yes</b>                 |  |
| WAN as LAN                                      | <b>Yes</b>                 |  |
| LAN Bypass                                      | <b>No</b>                  |  |
| InTouch   | <b>Yes</b>                 |  |
| Virtual WAN                                     | <b>Yes</b> <sup>[12]</sup> | [12] Up to 40 Virtual WAN if purchasing Virtual WAN Activation Licence.                      |
| Synergy Mode (Controller)                       | <b>Yes</b>                 |  |
| Synergized Device                               | <b>No</b>                  |  |
| Application and Web Blocking                    | <b>Yes</b>                 |  |

|                                     |                                  |  |
|-------------------------------------|----------------------------------|--|
| Web Content Filtering               | <b>Full</b>                      |  |
| IP Passthrough                      | <b>Yes</b>                       |  |
| IPv6                                | <b>Yes</b>                       |  |
| x.509 Certificate                   | <b>Yes</b>                       |  |
| Captive Portal                      | <b>Yes</b>                       |  |
| GPIO                                | <b>No</b>                        |  |
| Ignition Sensing                    | <b>No</b>                        |  |
| Netflow Support                     | <b>Yes</b>                       |  |
| LACP (802.3ad) NIC Bonding          | <b>Yes</b>                       |  |
| Jumbo Frame Support                 | <b>Yes</b>                       |  |
| Internal Storage for Edge Computing | <b>Yes (1TB) <sup>[13]</sup></b> | <small>[13] Expansion Module (EXM-LCDT) is required. Support Application, KVM, Docker.</small> |
| External Storage via USB Port       | <b>Yes <sup>[14]</sup></b>       | <small>[14] Require Firmware 8.4.0 or above. Support Docker and KVM.</small>                   |
| Dead Reckoning                      | <b>Yes <sup>[7]</sup></b>        | <small>[7] Require FlexModule Plus that is equipped with GPS.</small>                          |

## Core Functionality

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|                              |             |
|------------------------------|-------------|
| Inter-VLAN Routing           | <b>Yes</b>  |
| 802.1q VLANs Supported       | <b>1024</b> |
| Port-Based VLAN              | <b>Yes</b>  |
| Load Balancing & Failover    | <b>Yes</b>  |
| Load Balancing Algorithms    | <b>8</b>    |
| Inbound Load Balancing       | <b>Yes</b>  |
| InControl 2 Cloud Management | <b>Yes</b>  |

InControl GPS Fleet Management **Yes** <sup>[7]</sup>

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

## Advanced QoS Functionality

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Bandwidth Usage Monitoring **Yes**

QoS for VoIP and E-Commerce **Yes**

User Groups Bandwidth Control **Yes**

## VPN Functionality

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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

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Enclosure **Indoor, Metal**

4pin Molex Micro-Fit Connector **No**

|  |   |  |
|--|---|--|
| Terminal Block Power Connector for Mobile / Vehicular Deployment | <b>No</b>   |  |
| AC Adapter or PSU  | <b>2x Power Cord (ACW-654)</b>                      |  |
| Input voltage  | <b>AC 100–220V</b>                                  |  |
| PoE Input  | <b>No</b>   |  |
| PoE Output   | <b>Yes (ext GE PoE module only) <sup>[15]</sup></b> | <small>[15] 8x LAN/WAN GE PoE ports (HW2) FlexModule is not applicable to EPX FlexModule Slot 2.</small> |
| USB Power Input  | <b>No</b>   |  |
| Nominal Power Consumption  | <b>300W for system and modules</b>                  |  |
| Maximum Power Consumption  | <b>System + 300W PoE+ budget</b>                    |  |
| Dimensions in inches   | <b>18.9 x 21.7 x 3.6 inches</b>                     |  |
| Dimensions in mm   | <b>480 x 550 x 90 mm</b>                            |  |
| Weight (Pound)   | <b>31.3 pounds</b>                                  |  |
| Weight (Gram / Kilogram)   | <b>14.2 kg</b>                                      |  |
| Operating Temperature  | <b>32°–113°F,<br/>0°–45°C</b>                       |  |
| Humidity   | <b>5%–90% (non-condensing)</b>                      |  |
| Rack-mount   | <b>2U</b>   |  |
| Dual Hot Swap Power Supply                                       | <b>Yes</b>  |  |

## Warranty Info

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Warranty **1-Year Limited Warranty**