



## Quick Look

Number of Ethernet WAN port	<b>2-10 (GE)</b> <sup>[1]</sup>	[1] 2 integrated GE WAN/LAN. Added extra 8 ports using 8x LAN/WAN GE PoE ports. Please note that 8x LAN/WAN GE PoE ports (HW2) FlexModule is only applicable to SDX (HW4).
Number of Ethernet LAN port	<b>8-18 (GE)</b> <sup>[2]</sup>	[2] 8 integrated LAN Port (Not convertible to WAN) by default. Added extra 8 ports using 8x LAN/WAN GE PoE ports FlexModule Plus and extra 2 ports convertible from WAN port. Please note that 8x LAN/WAN GE PoE ports (HW2) FlexModule is only applicable to SDX (HW4)
Router Throughput	<b>12Gbps</b> <sup>[4]</sup>	[4] 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>1Gbps</b> <sup>[4]</sup>	[4] 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>600Mbps</b> <sup>[4]</sup>	[4] 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 4</b> <sup>[5]</sup>	[5] SDX supports 1x FlexModule Plus. The module includes 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>10 WAN with 8 LAN, 0 WAN with 18 LAN</b>	
SFP LAN / WAN	<b>2 / 6 (10G SFP+)</b> <sup>[3]</sup>	[3] 2 Integrated SFP WAN/LAN Port, add 4 SFP WAN/LAN by using a "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	<b>No</b>	

Wi-Fi WAN	No
USB WAN	Yes (2x USB)
Module Expansion	Yes (1 slot for FlexModule Plus)

## Performance

Maximum Number of Controlled AP / Switch	250
Number of Recommended Users	500–2000

## Wireless details

Cellular Modem Category options	<b>3x CAT-6 (With FlexModule Plus), 4x CAT-12 (With FlexModule Plus), 2x CAT-20 (With FlexModule Plus), 2x 5G (With FlexModule Plus)</b>	
5G support	Yes	
SIM Slots	<b>Up to 8 <sup>[6]</sup></b>	[6] With corresponding cellular FlexModule Plus.If the device is used as SIM injector, SDX(HW3) support one SIM Injector Module (EXM-SIM-BK56). Each SIM injector can accommodate 56 4FF Nano SIM.
SIM Card Size	<b>Mini-SIM (2FF)</b>	
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 (HW3+) <sup>[8]</sup>	[8] Require FlexModule Plus with the membrane marking 'Cellular' and with SIM slot size 4FF.
FusionSIM	Yes (HW3+) <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 10 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> <sup>[13]</sup>	[13] Supported on the two embedded WAN as LAN ports or FlexModule Plus of 8x LAN/WAN GE PoE ports or 4x SFP+ ports.
Jumbo Frame Support	<b>Yes</b>	
Internal Storage for Edge Computing	<b>No</b>	
External Storage via USB Port	<b>Yes</b> <sup>[14]</sup>	[14] Require Firmware 8.4.0 or above. Support Docker.
Dead Reckoning	<b>Yes</b> <sup>[7]</sup>	[7] Require FlexModule Plus that is equipped with GPS.

## 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	<b>Yes</b> <sup>[7]</sup>	[7] Require FlexModule Plus that is equipped with GPS.

## Advanced QoS Functionality

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Bandwidth Usage Monitoring	<b>Yes</b>
QoS for VoIP and E-Commerce	<b>Yes</b>
User Groups Bandwidth Control	<b>Yes</b>

## VPN Functionality

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SpeedFusion VPN	<b>Yes</b>
Number of SpeedFusion VPN Peers	<b>300</b>
IPsec VPN	<b>Yes</b>
Number of IPsec Tunnels	<b>200</b>
L2TP VPN / Open VPN / PPTP VPN Server	<b>Yes</b>
Maximum PPTP / L2TP / OpenVPN Users	<b>200</b>
Remote RADIUS / LDAP authentication in Remote User Access	<b>Yes</b>
Number of OpenVPN Tunnel (Site to Site)	<b>5</b>
Number of GRE Tunnel (Site to Site)	<b>5</b>

## Hardware

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Enclosure	<b>Indoor, Metal</b>
4pin Molex Micro-Fit Connector	<b>No</b>
Terminal Block Power Connector for Mobile / Vehicular Deployment	<b>No</b>
AC Adapter or PSU	<b>Power Cord (ACW-614)</b>

Input voltage	<b>AC 100–240V</b>
PoE Input	<b>No</b>
PoE Output	<b>Yes</b>
USB Power Input	<b>No</b>
Nominal Power Consumption	<b>80W for the main chassis, 20W consumption for the optional module.</b>
Maximum Power Consumption	<b>System + 330W PoE+ budget</b>
Dimensions in inches	<b>17.2 x 13.3 x 1.7 inches</b>
Dimensions in mm	<b>438 x 340 x 44 mm</b>
Weight (Pound)	<b>11.7 pounds</b>
Weight (Gram / Kilogram)	<b>5.3 kg</b>
Operating Temperature	<b>32°–104 °F, 0°–40°C</b>
Humidity	<b>5%–90% (non-condensing)</b>
Rack-mount	<b>1U</b>
Dual Hot Swap Power Supply	<b>No</b>

## Warranty Info

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Warranty	<b>1-Year Limited Warranty</b>
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