



Quick Look

Number of Ethernet WAN port	2–10 (GE) ^[1]	[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	8–18 (GE) ^[2]	[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	12Gbps ^[4]	[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)	1Gbps ^[4]	[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)	600Mbps ^[4]	[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	Up to 4 ^[5]	[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	10 WAN with 8 LAN, 0 WAN with 18 LAN	
SFP LAN / WAN	2 / 6 (10G SFP+) ^[3]	[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	No	
Wi-Fi AP	No	

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	3x CAT-6 (With FlexModule Plus), 4x CAT-12 (With FlexModule Plus), 2x CAT-20 (With FlexModule Plus), 2x 5G (With FlexModule Plus)	
5G support	Yes	
SIM Slots	Up to 8 ^[6]	[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	Mini-SIM (2FF)	
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 (HW3+) ^[8]	[8] Require FlexModule Plus with the membrane marking 'Cellular' and with SIM slot size 4FF.
FusionSIM	Yes (HW3+) ^[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 10 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 ^[13]	^[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	Yes	
Internal Storage for Edge Computing	No	
External Storage via USB Port	Yes ^[14]	^[14] Require Firmware 8.4.0 or above. Support Docker.
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]	^[7] Require FlexModule Plus that is equipped with GPS.

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	300
IPsec VPN	Yes
Number of IPsec Tunnels	200
L2TP VPN / Open VPN / PPTP VPN Server	Yes
Maximum PPTP / L2TP / OpenVPN Users	200
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	Power Cord (ACW-614)

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

Warranty Info

Warranty	1-Year Limited Warranty
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