





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

SpeedFusion VPN Throughput (No Encryption)

1Gbps

SpeedFusion VPN Throughput (256-bit AES)

600Mbps

Number of Cellular Modem

Up to 4

[4]

[4] 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 AP Supported

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

[5]

[5] 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

[6]

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

RemoteSIM (used in SIM Injector)

Yes (HW3+)

[7]

[7] Require FlexModule Plus with the membrane marking 'Cellular' and with SIM slot size 4FF.

FusionSIM

Yes (HW3+)

[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 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
GPIO	No
Captive Portal	Yes
Ignition Sensing	No
Netflow support	Yes
LACP (802.3ad) NIC Bonding	Yes
[12]	
[12] Supported on the two embedded WAN as LAN ports or FlexModule Plus of 8x LAN/WAN GE PoE ports or 4x SFP+ ports.	
Internal Storage for Edge Computing	No
External Storage via USB Port	

Yes

[13] Require Firmware 8.4.0 or above. Support Docker.

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

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 (ext GE PoE module only)

[14]

[14] Please note that 8x LAN/WAN GE PoE ports (HW2) FlexModule is only applicable to SDX (HW4).

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