





Quick Look

Number of Ethernet WAN port
2–10 (GE)

[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] 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] 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] 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]
[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