link

Tech Specs | Enterprise Router • SDX Pro

Quick Look

Number of Ethernet WAN port
2–18 (GE)
[1]
[1] 2 integrated GE WAN/LAN. Added extra 16 ports by using up to two "8x LAN/WAN GE PoE ports FlexModule Plus.
Number of Ethernet LAN port
0–18 (GE)
[2]
[2] Added extra 16 ports by using up to two "8x LAN/WAN GE PoE ports FlexModule Plus" and extra 2 ports convertible from WAN port.
Router Throughput
24Gbps
SpeedFusion VPN Throughput (No Encryption)
1Gbps
SpeedFusion VPN Throughput (256-bit AES)
600Mbps
Number of Cellular Modem
Up to 8
[4]
[4] SDX Pro supports 2x Flexmodule Plus. Each 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
18 WAN with 0 LAN, 0 WAN with 18 LAN
SFP LAN / WAN
2 / 6 / 10 (10G SFP+)
[3]
[3] 2 Integrated SFP WAN/LAN Port, add 4 or 8 SFP WAN/LAN by using up to two "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 (2 slots for FlexModule Plus)

Performance

Maximum Number of AP Supported
2000
Number of Recommended Users
500–2000

Wireless details

Cellular Modem Category options
6x CAT-6 (With FlexModule Plus), 8x CAT-12 (With FlexModule Plus), 4x CAT-20 (With FlexModule Plus), 4x 5G (With FlexModule Plus)
5G support
Yes
SIM Slots
Up to 16
[5]
[5] With corresponding cellular FlexModule Plus.If the device is used as SIM injector, SDX Pro support up to two 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
[7]
[7] Require FlexModule Plus with the membrane marking 'Cellular' and with SIM slot size 4FF.
FusionSIM
Yes
[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

Internal Storage for Edge Computing

Yes (500GB / 1TB / 2TB)

[12]

[12] Support Application, Docker, KVM.

External Storage via USB Port

Yes

[13]

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

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
800
IPsec VPN
Yes
Number of IPsec Tunnels
500
L2TP VPN / Open VPN / PPTP VPN Server
Yes
Maximum PPTP / L2TP / OpenVPN Users
500
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
2x Power Cord (ACW-654)
Input voltage
AC 100–240V
PoE Input
No
PoE Output
Yes (ext GE PoE module only)
USB Power Input
No
Nominal Power Consumption
140W for system
Maximum Power Consumption
System + 420W PoE+ budget
Dimensions in inches
17.2 x 13.8 x 1.7 inches
Dimensions in mm
438 x 350 x 44 mm
Weight (Pound)
15.9 pounds
Weight (Gram / Kilogram)
7.2 kg
Operating Temperature
32°–104 °F, 0°–40°C
Humidity
10%–85% (non-condensing)
Rack-mount
1U
Dual Hot Swap Power Supply
Yes

Warranty Info

Warranty
1-Year Limited Warranty