





Quick Look

- Number of Ethernet WAN port
- 5 (GE)
- Number of Ethernet LAN port
- 3 (GE)
- Router Throughput
- 4Gbps
- SpeedFusion VPN Throughput (No Encryption)
- 500Mbps
- SpeedFusion VPN Throughput (256-bit AES)
- 500Mbps
- Number of Cellular Modem
- Up to 1
- [1]
- [1] Require FlexModule Mini.

Interfaces

- Maximum Ethernet WAN / LAN port configuration
- 5 WAN with 3 LAN
- SFP LAN / WAN
- No
- Serial Interface
- No
- Wi-Fi AP
- No
- Wi-Fi WAN
- No
- USB WAN
- Yes (1x USB)
- Module Expansion
- Yes (1 slot for FlexModule Mini)

Performance

Maximum Number of AP Supported
100
Number of Recommended Users
300–1000

Wireless details

Cellular Modem Category options
1x CAT-4 (With FlexModule Mini), 1x CAT-6 (With FlexModule Mini), 1x CAT-7 (With FlexModule Mini), 1x CAT-12 (With FlexModule Mini),
1x CAT-18 (With FlexModule Mini), 1x CAT-20 (With FlexModule Mini), 1x 5G (With FlexModule Mini)
5G support
Yes
SIM Slots
Up to 2
[2]
[2] Require FlexModule Mini.Balance 580X support a expansion module with 1x Cellular modem.
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
No
RemoteSIM (used in SIM Injector)
Yes
[1]
[1] Require FlexModule Mini.
FusionSIM
Yes
[1]
[1] Require FlexModule Mini.
Peplink eSIM Data Plans
Yes
[3]
[3] Require Firmware 8.3.0 or above and compatible FlexModule Mini.
BYO eSIM
Yes
[4]
[4] Require Firmware 8.4.0 or above and compatible FlexModule Mini.

Features

SpeedFusion Hot Failover
Yes
SpeedFusion Smoothing
Yes
SpeedFusion Bandwidth Bonding
Yes
SpeedFusion Connect
Yes
[5]
[5] CarePlan subscription includes 1TB/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
No
LAN Bypass
Yes
InTouch
Yes
Virtual WAN
Yes
[6]
[6] 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
No
External Storage via USB Port
Yes
[7]
[7] Require Firmware 8.4.0 or above. Support Docker.
Dead Reckoning
No

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
No

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
50 or 100
[8]
[8] SpeedFusion VPN Peers license, it can change the maximum number of SpeedFusion VPN peer. Balance 580X,SFN-LC-100. Up to 100 SpeedFusion VPN peers.
IPsec VPN
Yes
Number of IPsec Tunnels
100
L2TP VPN / Open VPN / PPTP VPN Server
Yes
Maximum PPTP / L2TP / OpenVPN Users
100
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
No
USB Power Input

No

Nominal Power Consumption
NA

Maximum Power Consumption
35W (for the main chassis)

Dimensions in inches
17.3 x 10.4 x1.73 inches

Dimensions in mm
441 x 265 x 44 mm

Weight (Pound)
7.3 pounds

Weight (Gram / Kilogram)
3.3 kg

Operating Temperature
32°–104 °F, 0°–40°C

Humidity
10%–85% (non-condensing)

Rack-mount
1U

Dual Hot Swap Power Supply
No

Warranty Info

Warranty
1-Year Limited Warranty