

SDX

Futureproof Enterprise-Grade Branch Router



· At a Glance ·

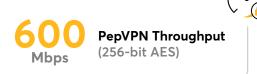




















Specifications

| WAN Interface | 2x 10G SFP+ Ports | 802.1q VLANs Supported | 1024 |
|---------------|-------------------|------------------------|------|
| | 2x GE Ports | | |
| | 2x USB 3.0 Ports | Drop-In Mode | Yes |

| LAN Interface | 8x GE Ports with PoE+ Output | Recommended | 200 |
|---------------|------------------------------|-------------------|-----|
| | | PPTP/L2TP/OpenVPN | |

Router Throughput 12 Gbps

Users PepVPN / SpeedFusion No Encryption: 1Gbps **Maximum Number of** 250 256-bit AES: 600 Mbps Throughput¹ **APs Supported Recommended Users** 500-2000 **High Availability** Yes

17.2 x 13.3 x 1.7 inches / 438 x 340 x 44 mm **Dimensions** Max PepVPN/SpeedFusion 300

Peers Weight (No Modules) 11.7 pounds / 5.3 kg AC Input 100V - 240V **Power Input**

32° - 104°F / 0° - 40°C **Operating Temperature PoE Output** 8x 802.3at PoE+ Output

Humidity 5% - 90% (non-condensing)

Power Consumption 80W System²,

Number of IPsec Tunnels Package Content Balance SDX

330W PoE+ Power Budget

SDX Base Chassis

Certifications

1U 19" Rack-mount Chassis (ACW-752)

L-mount Set (ACW-748) 1x Power Cord (ACW-614) Rubber Foot Pad set

SIM Options ³ Mini-SIM (2FF)

Peplink eSIM BYO eSIM (2 profiles)

RemoteSIM from SIM Injector 4

FusionSIM 4

FCC, IC, CE

Warranty 1-Year Limited Warranty

¹ by using 10G WAN fiber

² 80W consumption for the main chassis, 20W consumption for the optional module.

³ Available with FlexModule Plus EXM-3LTEA-W, EXM-3LTEA-P, EXM-3LTEA-R, EXM-3LTEA-K, EXM-4LTEA-R, EXM-4LTEA-D, EXM-2GLTE-S, EXM-2X5GD, EXM-2X5GH, EXM-2X5GN. ⁴ Available with Firmware 8.4.0 or above and Hardware version 3 or above.





Ordering Information

Product Code Model Description

BPL-SDX SDX Base Model, No Expansion module, 2x GE WAN Ports, 2x 10GE SFP+

WAN ports, 8x GE LAN ports, 2x USB WAN

Accessories

Product Code Descriptions

ACW-748 Rack Mount Ears for Balance SDX

ACW-752 Rack Mount Rails for Balance SDX

Deep Dive





Software

Peplink Balance Firmware

WAN

Support for PPPoE, Static IP, DHCP WAN Link Health Check

- PING
- DNS Lookup
- HTTP

Bandwidth Allowance Monitor **IPv6 Support** USB 4G/3G Modem Support Support for Dynamic DNS services

- changeip.com
- dyndns.org
- tzo.com
- DNS-O-Matic

WAN Port Convertible into LAN Port

LAN

DHCP Server for LAN Clients Extended DHCP Option **DHCP** Reservation DNS Proxy for LAN Clients VLAN on LAN Support

Load Balancing

Intelligent Failover Session Persistence Per-Service Load Distribution Multiple Algorithms

- Weighted
- Enforced
- Persistence
- Priority
- Overflow
- Least Used
- Lowest Latency

Security

DoS Prevention Stateful Firewall Web Blocking

Complete VPN Solution

PepVPN/SpeedFusion Bandwidth Bonding

- Site-to-Site VPN
- Bandwidth Aggregation
- Hot Failover
- 256-bit AES Encryption
- Pre-shared Key Authentication
- Dynamic Routing
- X.509 Certificate Support PPTP VPN Server
- RADIUS, LDAP Authentication IPsec VPN (Network-to-Network)
- X.509 Certificate Support

Advanced QoS

User Groups

- Bandwidth Reservation
- Individual Bandwidth Limit **Application Prioritization**
- By User Groups
- SIP, HTTPS, VPN QoS
- Custom Application QoS

Networking

NAT and IP Forwarding Static Routes Port Forwarding Many to One, One to One NAT NAT Pool SIP ALG, H.323 ALG UPnP, NAT-PMP **WINS Server** BGP, OSPFv2 and RIPv2 Support

AP Controller

Support for Pepwave AP Series Auto AP Discovery Auto AP Firmware Management AP Profile Configuration Wi-Fi Usage Statistics

Captive Portal

Support for Wired and Wireless LAN Clients Support RADIUS Authentication Time and Usage Quotas on Open Access Built-in Customizable Splash Page

DNS

Built-in Authoritative DNS Support for A, CNAME, NS, MX, PTR, SOA, SRV, TXT records

Device Management

Web Administrative Interface Command Line Interface InControl Cloud Management **Email Notification** Active Client and Session Lists **Bandwidth Usage Statistics** Syslog Service SNMP v1, v2c and v3

Power Requirement

Universal Input 100V - 240V AC

^{*} Only valid for customers who have purchased Peplink Balance devices directly from Peplink. All specifications are subject to change without notice.