



## peplink | SDX Pro

### **Modular SD-WAN Router with Edge Computing Capability**

2x FlexModules for Versatility and Futureproofing

Up to 8x Cellular Connections for Unmatchable Connectivity

24Gbps Throughput for Enterprise Deployments

Host Virtual Machines and Docker Containers

Redundant Power Supplies for Uninterruptible Power

## Ready for Anything

Insert a cellular module and a GE or SFP+ module to provide cellular failover for branch networks. Insert a SIM Injector module to dynamically allocate up to 56 SIM cards. New FlexModules are in development, making this device futureproof.



4G/5G Module



SFP+ Module



GE Module With PoE+



SIM Injector



## Ready-Built Infrastructure

Your SDX Pro comes ready to connect to the SpeedFusion Cloud: a global network of secure endpoints with unique capabilities. Use the SpeedFusion Cloud as an unbreakable worldwide VPN, saving setup and maintenance costs.

## High Throughput



The SDX Pro has enough throughput to handle any high-bandwidth enterprise branch or mobile deployment.

## Edge Computing Capable

Websites



Virtual Machines



Docker Containers



Applications



The SDX Pro is a one-box hosting solution that can deliver Docker containers, applications, and websites to its local

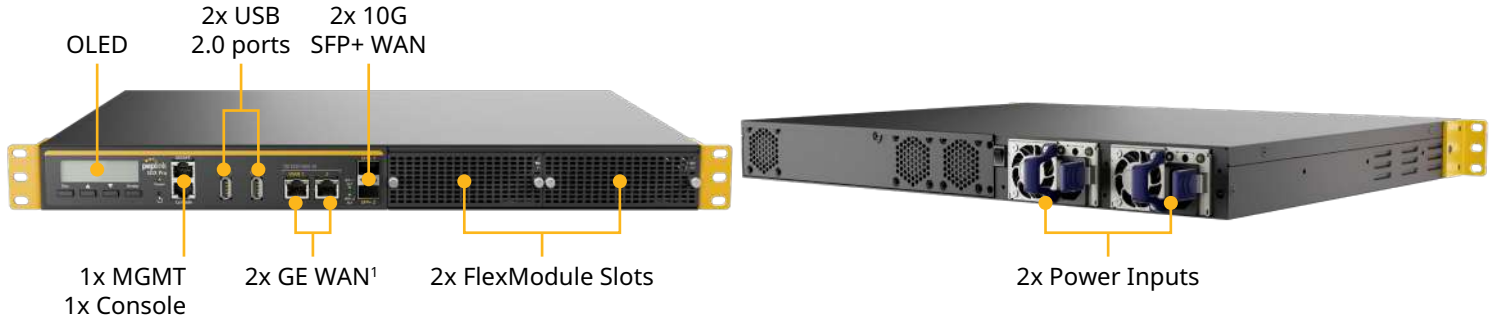
network. By hosting resources near the network edge, you can reduce latency and make applications more responsive.

## Uninterruptible Power



The SDX Pro is equipped with two power inputs and two hot-swappable power supplies. Only one of each is needed to

function, ensuring continuous power delivery even if a cable gets disconnected or if a power supply drops out for any reason.



## Specifications

|   |  |  |   |
|---|--|--|---|
| <b>WAN Interface</b>                          | 2x 10G SFP + Ports<br>2x GE Ports<br>2x USB 2.0 Ports for Secure OOBM<br>2x FlexModules (Optional) | <b>Drop-In Mode</b>                    | Yes   |
| <b>Router Throughput</b>                      | 24 Gbps  | <b>Maximum Number of APs Supported</b> | 2000  |
| <b>SpeedFusion VPN Throughput<sup>2</sup></b> | <b>No Encryption:</b> 1Gbps<br><b>256-bit AES:</b> 600 Mbps  | <b>High Availability</b>               | Yes   |
| <b>Recommended Users</b>                      | 500-2000   | <b>Dimensions</b>                      | 17.2 x 13.3 x 1.7 inches / 438 x 340 x 44 mm  |
| <b>Max PepVPN/SpeedFusion Peers</b>           | 800  | <b>Weight (No Modules)</b>             | 15.9 pounds / 7.2 kg  |
| <b>Power Input</b>                            | AC Input 100V - 240V   | <b>Operating Temperature</b>           | 32° - 104°F / 0° - 40°C   |
| <b>Power Consumption</b>                      | 140W System <sup>3</sup> ,<br>420W PoE+ Power Budget   | <b>Humidity</b>                        | 5% - 90% (non-condensing)   |
| <b>Number of IPsec Tunnels</b>                | 500  | <b>Certifications</b>                  | FCC, IC, CE   |
| <b>802.1q VLANs Supported</b>                 | 1024   | <b>Package Content</b>                 | Balance SDX Pro<br>SDX Pro Base Chassis<br>1U 19" Rack-mount Chassis (ACW-752)<br>L-mount Set (ACW-750)<br>2x Power Cord (ACW-614)<br>Rubber Foot Pad set |
|   |  | <b>SIM Options <sup>4</sup></b>        | Mini-SIM (2FF)<br>Peplink eSIM<br>BYO eSIM (2 profiles) <sup>5</sup><br>RemoteSIM from SIM Injector<br>FusionSIM  |
|   |  | <b>Warranty</b>                        | 1-Year Limited Warranty   |

## Ordering Information

| Product Code       | Descriptions  |
|--------------------|---|
| BPL-SDX-PRO-M2     | SDX Pro Base Model, No Expansion module, 500GB SSD, 2x GE WAN/LAN Ports, 2x 10GE SFP+ WAN/LAN ports, 2x USB WAN |
| BPL-SDX-PRO-M2-1TB | SDX Pro Base Model, No Expansion module, 1TB SSD, 2x GE WAN/LAN Ports, 2x 10GE SFP+ WAN/LAN ports, 2x USB WAN   |
| BPL-SDX-PRO-M2-2TB | SDX Pro Base Model, No Expansion module, 2TB SSD, 2x GE WAN/LAN Ports, 2x 10GE SFP+ WAN/LAN ports, 2x USB WAN   |

<sup>1</sup> WAN ports are configured as a LAN ports by default, configuration is changeable on the Web Admin

<sup>2</sup> by using 10G WAN fiber

<sup>3</sup> 140W consumption for the main chassis, 20W consumption for the optional module.

<sup>4</sup> 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.

<sup>5</sup> Available with Firmware 8.4.0 or above.





## 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
- no-ip.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

## DNS

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

## Power Requirement

Universal Input 100V - 240V AC

## Edge Computing

ContentHub

- Video caching
- iTunes
- iTunes U
- TED.com
- Content Caching
- HTML
- JavaScript
- Image
- Flash Applications

Docker  
Kernel-based Virtual Machine (KVM)

## 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  
Support LDAP Authentication  
Time and Usage Quotas on Open Access Mode  
Built-in Customizable Splash Page

## Device Management

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

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