

peplink SDX PRO

Modular SD-WAN Router with Edge Computing Capability

2x FlexModules for Versatility and Futureproofing

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



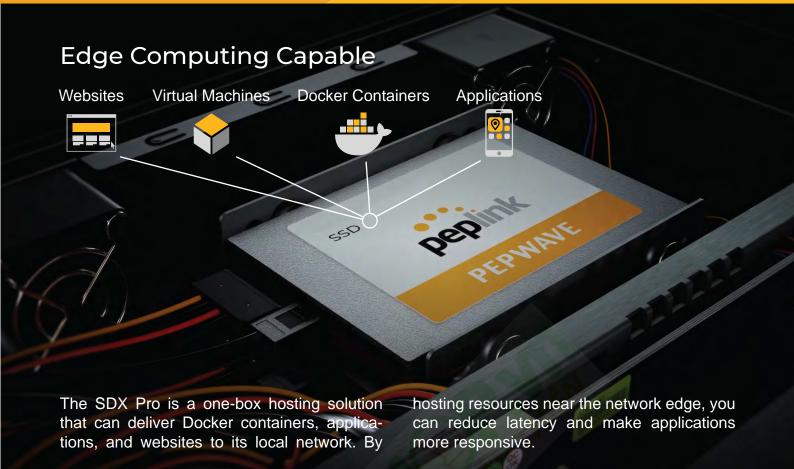
Ready-Built Infrastructure

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.

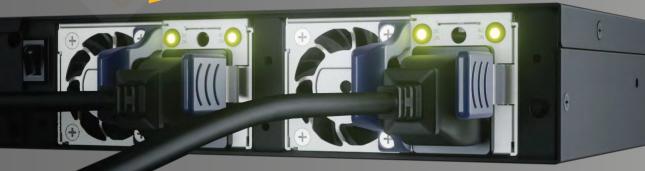
24Gbps

High Throughput

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

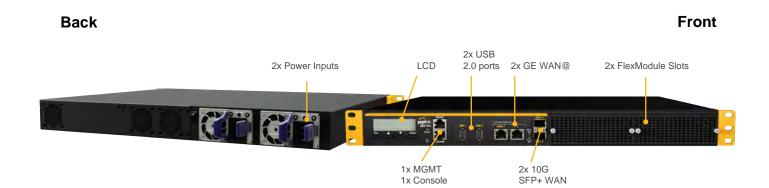


Uninterruptible Power



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.

BALANCE SDX PRO



Specifications

WAN Interface	2x 10G SFP + Ports 2x GE Ports	High Availablity	Yes
	2x USB 2.0 Ports for Secure OOBM 2x FlexModules (Optional)	Dimensions	17.2 x 13.8 x 1.7 inches 438 x 350 x 44 mm
Router Throughput	24 Gbps	Weight (No Modules)	15.9 pounds 7.2 kg
PepVPN / SpeedFusion Throughput#	No Encryption: 1Gbps 256-bit AES: 600 Mbps	Operating Temperature	32° – 104°F (0° – 40°C)
Recommended Users	500-2000	Humidity	5% – 90% (non-condensing)
Max PepVPN/SpeedFusion Peers	300	Certifications	FCC, IC, CE
Power Input	AC Input 100V - 240V	Warranty	1-Year Limited Warranty
Power Consumption	140W System* , 420W PoE+ Power Budget	Package Content	SDX pro Base Chassis 1U 19" Rack-mount Chassis 1x Rubber Foot Pack
Number of IPsec Tunnels	500		2x Power Cords 1x L-mount Set
Maximum Number of APs Supported	2000		

WAN ports are configured as a LAN ports by default, configuration is changeable on the Web Admin
by using 10G WAN fiber
140W consumption for the main chassis, 20W consumption for the optional module.

Ordering information

Product Code	Description
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



BALANCE SDX PRO



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

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

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 & 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.