SDX

Futureproof Enterprise-Grade Branch Router

• At a Glance •

2x Ethernet WAN
(Gigabit Ethernet)

8x Ethernet LAN
(Gigabit Ethernet)

2x USB WAN Ports

2x SFP+ Ports

12 Gbps Stateful Firewall Throughput

600 Mbps PepVPN Throughput
(256-bit AES)

Up to
300 VPN Peers

SDX

peplink

OLED | 2x USB 3.0 ports | 2x GE WAN

Power Input

1x MGMT 1x Console | 2x 10G SFP+ WAN | 8x GE PoE+ LAN

Power Switch

Specifications

WAN Interface	2x 10G SFP+ Ports 2x GE Ports 2x USB 3.0 Ports	**802.1q VLANs Supported**	1024
LAN Interface	8x GE Ports with PoE+ Output	**Drop-In Mode**	Yes
Router Throughput	12 Gbps	**Recommended PPTP/L2TP/OpenVPN Users**	200
PepVPN / SpeedFusion Throughput [1]	No Encryption: 1Gbps 256-bit AES: 600 Mbps	**Maximum Number of APs Supported**	250
Recommended Users	500-2000	**High Availability**	Yes
Max PepVPN/SpeedFusion Peers	300	**Dimensions**	17.2 x 13.3 x 1.7 inches / 438 x 340 x 44 mm
Power Input	AC Input 100V - 240V	**Weight (No Modules)**	11.7 pounds / 5.3 kg
PoE Output	8x 802.3at PoE+ Output	**Operating Temperature**	32° – 104°F / 0° – 40°C
Power Consumption	80W System [2] , 330W PoE+ Power Budget	**Humidity**	5% – 90% (non-condensing)
Number of IPsec Tunnels	200	**Certifications**	FCC, IC, CE
		Package Content	Balance SDX SDX Base Chassis 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]
		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.

SDX

Ordering Information

Product Code	Model	Description
BPL-SDX	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

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
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 and Session Lists
Bandwidth Usage Statistics
Syslog Service
SNMP v1, v2c and v3

Power Requirement

Universal Input 100V - 240V AC