EPX

Extreme Performance SD-WAN Platform

At a Glance

4-28x*
SFP+ Ports

8-56x*
Ethernet WAN
(Gigabit Ethernet)

8-56x*
Ethernet LAN
(Gigabit Ethernet)

30Gbps
Stateful Firewall
Throughput

4Gbps
PepVPN Throughput
(256-bit AES)

Up to 4000
VPN Peers

* With Expansion Module: EXM-4F, EXM-8C

EPX
Specifications

EPX-M8

WAN Interface	4-28x 10G SFP+ Ports 8-56x GE Ports	**Maximum Number of APs Supported**	2000
LAN Interface	8-56x GE Ports with PoE+ Output	**High Availability**	Yes
Router Throughput	30 Gbps	**Dimensions**	18.9 x 21.7 x 3.6 inches 480 x 550 x 90 mm
PepVPN / SpeedFusion Throughput#	No Encryption: 4 Gbps 256-bit AES: 4 Gbps	**Weight (No Modules)**	31.3 pounds 14.2 kg
Recommended Users	5000-20000+	**Operating Temperature**	32° – 113°F (0° – 45°C)
Max PepVPN/SpeedFusion Peers	4000	**Humidity**	5% – 90% (non-condensing)
Power Input	AC Input 100V - 240V	**Certifications**	FCC, IC, CE EN 50155: Railway Applications EN 61373:1999 IEC 61373:1999 : Shock and Vibration Resistance EN 50121: Rolling Stock EMC, Signalling and Telecom Apparatus
PoE Output	8x 802.3at PoE+ Output		
Power Consumption	300W System and module, 330W PoE+ Power Budget		
Number of IPsec Tunnels	1000	**Warranty**	1-Year Limited Warranty
802.1q VLANs Supported	1024	**Package Content**	EPX Main Chassis with OLED module Rack mounting kit with brackets and slide
Drop-In Mode	Yes		
Recommended PPTP/L2TP/OpenVPN Users	1000		

Ordering Information

Product Code	Description
EPX-M8	EPX Base Model, 1x OLED Module
EXM-LCDT	Expansion Module with 1TB SSD, Features Content Hub, Docker Support and OLED Controls (Replaces existing OLED module)
EPX-LC-EC	License Key to enable MediaFast with Content Hub & Docker (requires own disk drive to mount to the OLED Module)

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EPX
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)

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