



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



2Gbps

PepVPN Throughput
(256-bit AES)



Up to 4000

VPN Peers

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

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Specifications



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: 2 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	Warranty	1-Year Limited Warranty
Power Consumption	300W System and module, 330W PoE+ Power Budget	Package Content	EPX Main Chassis with OLED module Rack mounting kit with brackets and slide
Number of IPsec Tunnels	1000		
802.1q VLANs Supported	1024		
Drop-In Mode	Yes		
Recommended PPTP/L2TP/OpenVPN Users	1000		

Ordering Information

Product Code	Description
EPX-M8	EPX Base Model, 1x OLED Module
EXM-LCDDT	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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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
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

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