Main Chassis

21.7 inches
550 mm

3.6 inches
90 mm

18.9 inches
480 mm

EPX
Extreme Performance SD-WAN Platform

peplink | PEPWAVE

EPX Main Chassis (EPX-M8)

Power Input	AC Input 100V - 240V		Dimensions	18.9 x 21.7 x 3.6 inches
480 x 550 x 90 mm
Power Consumption	215 W*			
Throughput	30 Gbps		Weight (No Modules)	31.3 pounds
14.2 kilograms
PepVPN Throughput (No Encryption)	4 Gbps		Operating Temperature	32° – 113°F (0° – 45°C)
PepVPN Throughput (256-bit AES)	2 Gbps		Humidity	5% – 90% (non-condensing)
Recommended Users	5000-20000+		Certifications	FCC, IC, CE-RED
EN 50155: Railway Applications
EN 61373:1999 IEC 61373:1999 : Shock and Vibration Resistance
EN 50121: Rolling Stock EMC, Signalling and Telecom Apparatus
| Max. PepVPN/SpeedFusion Peers	4000			
			Warranty	1-Year Limited Warranty

Expansion Modules

3x LTE-A Module (EXM-3LTEA)

Interface	3x Embedded LTE-A Cellular Modems
with Redundant SIM Slots
Antenna Connectors	6x SMA Cellular Antenna Connectors
1x SMA GPS Antenna Connector
Downlink/Uplink Datarate	300Mbps/50Mbps (LTE-A Modem)
600Mbps/150Mbps (LTE-A Pro Modem)
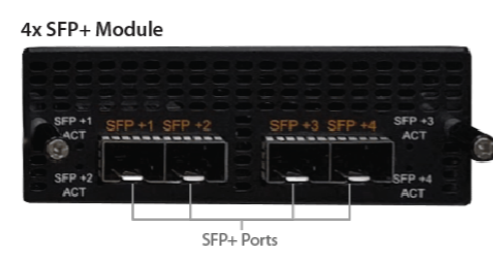| Power Consumption	20 W
Weight	0.83 pounds (375 grams)
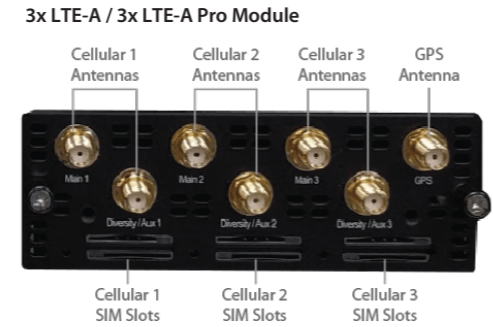
8x GE PoE Module (EXM-8C)

Interface	8x 10/100/1000M Ethernet Ports⁺
Capable of PoE
Power Consumption	15W (255W max. with PoE Output^)
Weight	1.1 pounds (475 grams)
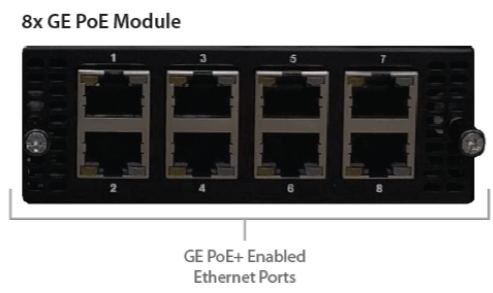
4x SFP+ Module (EXM-4F)

Interface	4x SFP+ Ports⁺
Power Consumption	11 W
Weight	0.83 pounds (375 grams)

* 200W consumption for the main chassis, 15W consumption for the optional LCD module.
^ The EPX-8M can support a maximum of 2 modules delivering PoE
⁺ Module can be configured with LAN or WAN ports as needed.

3x LTE-A / 3x LTE-A Pro Module

Cellular 1 Antennas · Cellular 2 Antennas · Cellular 3 Antennas · GPS Antenna

Main 1 · Main 2 · Main 3 · GPS

Diversity / Aux 1 · Diversity / Aux 2 · Diversity / Aux 3

Cellular 1 SIM Slots · Cellular 2 SIM Slots · Cellular 3 SIM Slots

8x GE PoE Module

GE PoE+ Enabled Ethernet Ports

4x SFP+ Module

SFP +1 · SFP +2 · SFP +3 · SFP +4

SFP+ Ports

Ordering Information

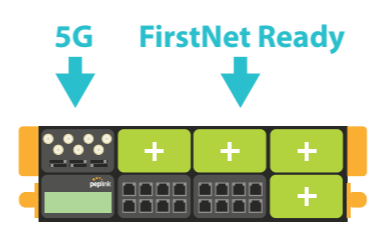| Product Code	Description
EPX-M8-LW1C3F3	Wired SD-WAN Powerhouse: EPX with LCD Module, 12x 10G SFP+, 24x GE, and 3x LTE-A (Worldwide).
EPX-M8-LP1C3F3	Wired SD-WAN Powerhouse: EPX with LCD Module, 12x 10G SFP+, 24x GE, and 3x LTE-A (Asia Pacific).
EPX-M8-LW5C1F1	Wireless SD-WAN Powerhouse: EPX with LCD Module, 4x 10G SFP+, 8x GE and 15x LTE-A (Worldwide).
EPX-M8-LP5C1F1	Wireless SD-WAN Powerhouse: EPX with LCD Module, 4x 10G SFP+, 8x GE and 15x LTE-A (Asia Pacific).
EPX-M8-LW2C1F1	EPX with LCD Module, 4x 10G SFP+, 8x GE and 6x LTE-A (Worldwide).
EPX-M8-LP2C1F1	EPX with LCD Module, 4x 10G SFP+, 8x GE and 6x LTE-A (Asia Pacific).
EXM-LCDT	Expansion Module with 1TB SSD, Features Content Hub, Docker Support and LCD Controls (Replaces existing LCD module)
EPX-LC-MFA	License Key to enable MediaFast with Content Hub & Docker (requires own disk drive to mount to the LCD Module)
EXM-3LTEA-W/ EXM-3LTEA-P	Expansion Module witih 3x LTE-A modems (Cat-6)
EXM-3LTEA-R/ EXM-3LTEA-K	Expansion Module witih 3x LTE-A Pro modems (Cat-12)
EXM-8C	Expansion Module with 8x GE PoE ports
EXM-4F	Expansion Module with 4x SFP+ ports

Introducing the industry's highest performing SD-WAN platform. The EPX is a rapidly deployable, powerful, and versatile SD-WAN router that connects a wide range of WAN options from LTE-A, satellite modems, to fixed line networks. At a 19" 2U rack mountable form factor, it can combine up to 18x LTE-A connections for absolute connection reliability.

Need Ability to Scale Capacity With Demand?

5G · **FirstNet Ready**

Need More Cellular Bandwidth?

18x LTE-A

Need Different Types of Connectivity?

4x SFP+ Module
3x LTE-A Module
8x GE PoE Module
Future Technology

Futureproof and Scalable

Purchase just the modules for the connectivity you need. When you need more in the future, you can expand anytime. When future technologies like 5G and Firstnet appear, we will have modules to connect with those as well.
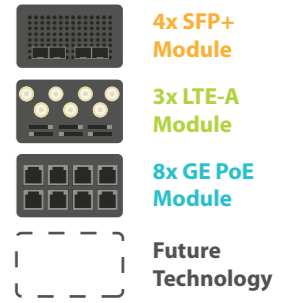
Gigabit Bandwidth On-The-Go

In its cellular configuration, the EPX is the most powerful wireless SD-WAN router in the industry. It can combine the bandwidth of up to 18 connections, supporting 36 SIM cards and providing gigabits of bandwidth on-the-go.
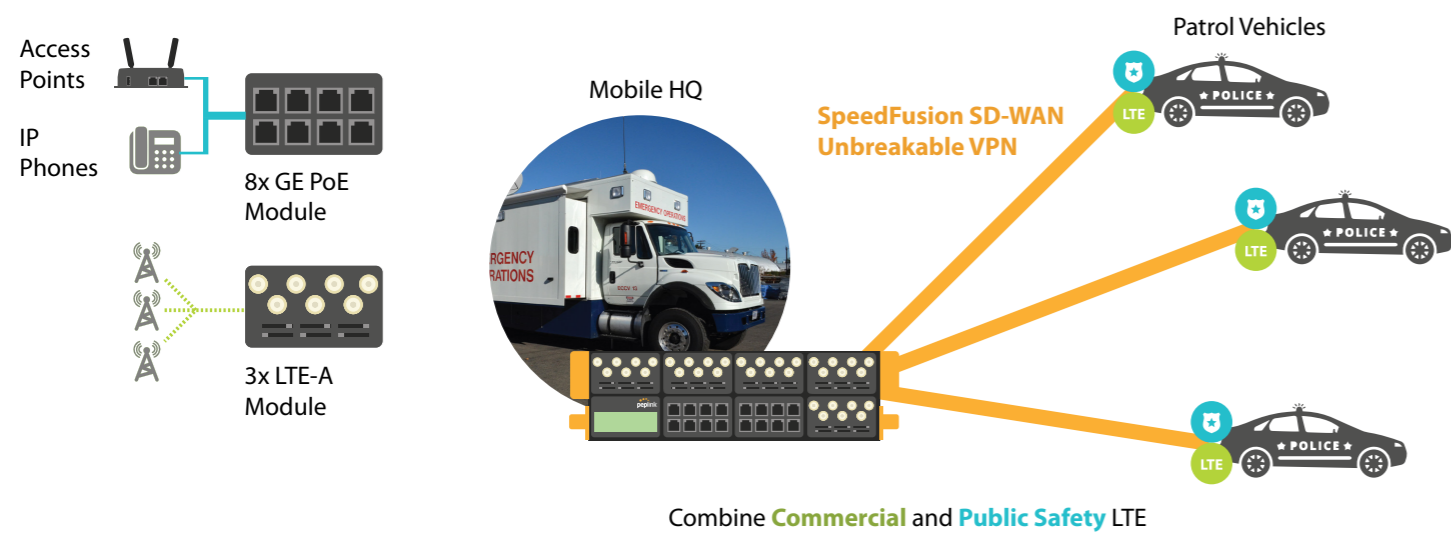
Multiple Module Types

The EPX can support different technologies depending on which modules you purchase. Also, when 5G technology appears, there will be modules for it too, ensuring that your investment is futureproof.
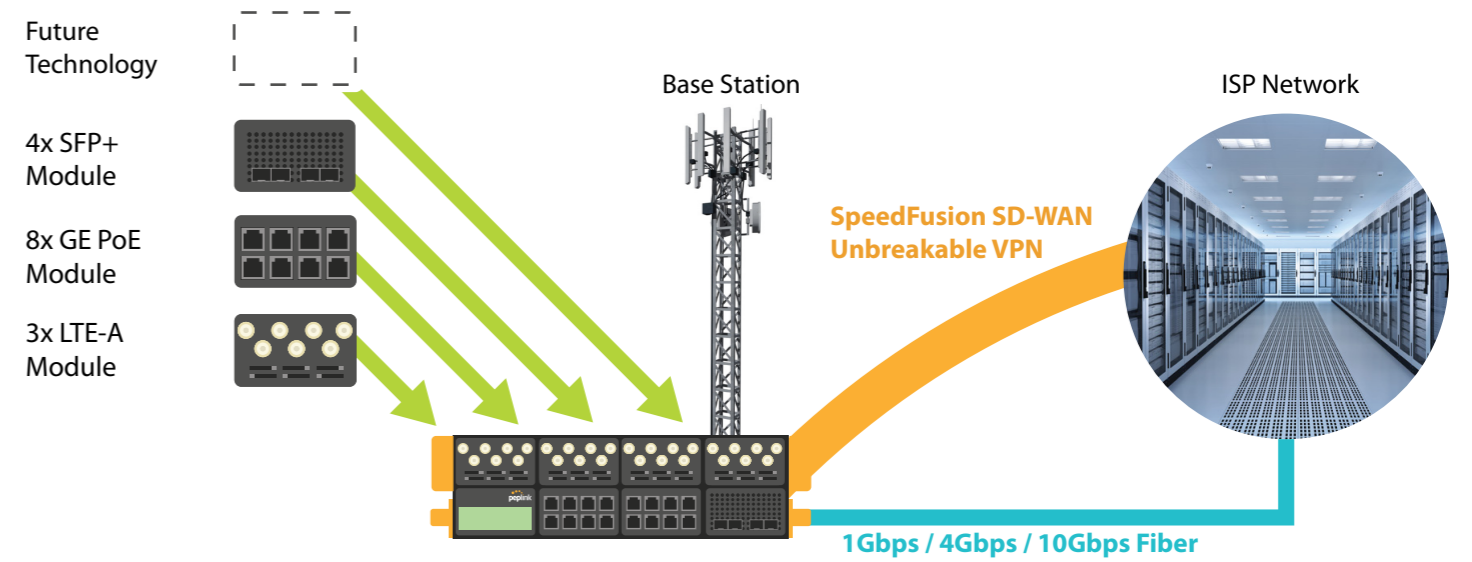
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Ref no: EPX-201910-v7

Rapidly Deployable, Scalable, Unbreakable Connectivity for Mobile Command.

Access Points

IP Phones

8x GE PoE Module

3x LTE-A Module

Mobile HQ

SpeedFusion SD-WAN Unbreakable VPN

Patrol Vehicles

LTE POLICE

LTE POLICE

LTE POLICE

Combine **Commercial** and **Public Safety** LTE

Equipped with an EPX, mobile headquarters can combine private LTE, commercial LTE and satellite links to form a fast, unbreakable VPN connection to headquarters and to patrol vehicles. With this configuration, patrol vehicles benefit from increased cellular converage. Even if they are outside the range of one cellular provider, they will still be in within the range of others. In addition, each cellular modem supports 2 SIM cards, effectively doubling the number of providers supported.
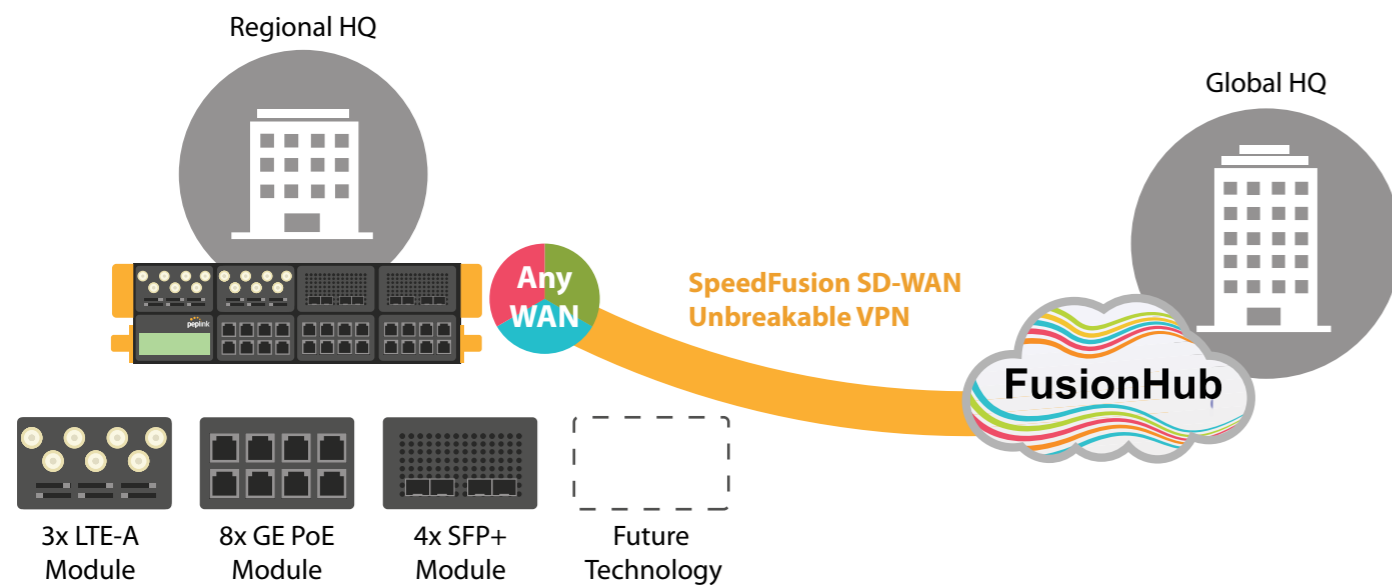
Add Flexible SD-WAN Backhaul to Any Network

Future Technology

4x SFP+ Module

8x GE PoE Module

3x LTE-A Module

Base Station

ISP Network

SpeedFusion SD-WAN Unbreakable VPN

1Gbps / 4Gbps / 10Gbps Fiber

Whether providing Internet service with a SLA, or building a video surveillance streaming network, ensuring service continuity is crucial. The EPX enables service providers to build a flexible SD-WAN backhaul to the main network, incorporating as many Ethernet, Fiber, and cellular links as needed to provide fast and solid connectivity. What's more, Peplink's cloud-based management software provides you with complete visibility and control of WAN usage.
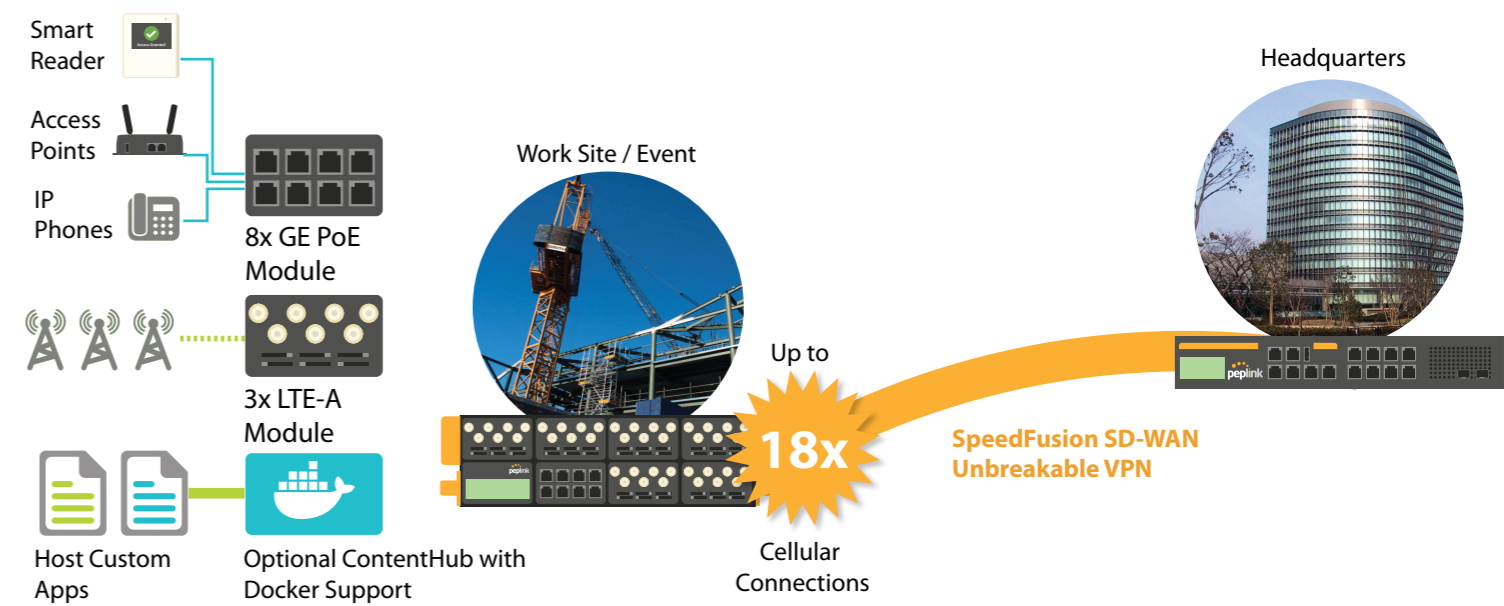
Futureproof, Scalable, Unbreakable Cellular Backup for Regional Offices.

Regional HQ

Global HQ

Any WAN

SpeedFusion SD-WAN Unbreakable VPN

FusionHub

3x LTE-A Module

8x GE PoE Module

4x SFP+ Module

Future Technology

With its modular construction, the EPX enables regional offices to add WAN connections of any type as they grow in size. With the ability to add cellular modules, the EPX also provides as much cellular connectivity as needed for the company network to operate at full speed even if land lines lose connectivity. In the future when 5G gains popularity, there will be modules for it too. This makes the EPX futureproof for both bandwidth demand and for upcoming technology.

Instant Connectivity and Application Hosting for Work Sites and Events

Smart Reader

Access Points

IP Phones

8x GE PoE Module

3x LTE-A Module

Work Site / Event

Headquarters

Host Custom Apps

Optional ContentHub with Docker Support

Up to

18x

Cellular Connections

SpeedFusion SD-WAN Unbreakable VPN

Getting a connection to a work site or to an event normally involves building a landline, potentially taking months. With the EPX, temporary sites could get connected in minutes. The EPX can combine up to 18 cellular connections for high-definition video streaming and high-volume data transfers. The EPX can also host docker containers, giving you the ability to host your own custom apps onsite to simplify management.