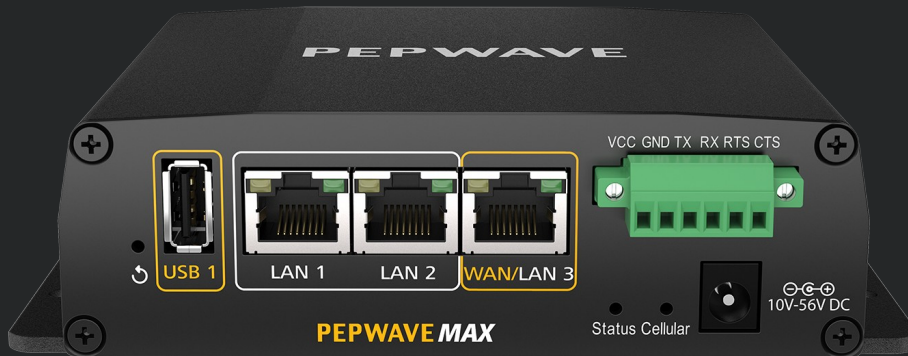# MAX BR1 ENT

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Quick Look

Cellular	Ethernet WAN	Ethernet LAN	Router Throughput	PepVPN Throughput (No Encyption)	PepVPN Throughput (256-bit AES)
1	**1/0 (GE)** &	**2/3 (GE)** &	**300Mbps**	**100Mbps**	**60Mbps**

Interfaces

Serial (RS232)	Yes
Wi-Fi AP	No
Wi-Fi WAN	No
USB WAN	Yes
GPIO	No

Performance

Recommended Users	25-150
Number of PepVPN / SpeedFusion Peers	2/5/20 [1]

Wireless Details

LTE Category Options	CAT 4 CAT 6 CAT 12
Band 71	No
SIM Slots	2
Wi-Fi Radio	No
SIM Card Size	Mini-SIM (2FF)
Transmit Power (2.4GHz, single chain)	No
Transmit Power (5GHz, single chain)	No
Multiple SSIDs	No
Captive Portal	No
GPS	Yes

Features

Ignition Sensing	No
Remote SIM (used in SIM Injector)	No
802.1 q VLANs Supported	16
Drop-In Mode	Yes
High Availability	Yes
Ip Passthrough	Yes
WAN as LAN	Yes
Web Blocking	Yes
Web Filtering Blacklist	Lite
In Control Cloud Management	Yes
GPS Fleet Management	Yes

VPN Functionality

PepVPN	Yes
SpeedFusion Hot Failover	Yes
SpeedFusion WAN Smoothing	Yes
SpeedFusion Bandwidth Bonding	No
Number of IPsec Tunnels	5
Maximum PPTP/L2TP/ OpenVPN Users	3

Hardware

Enclosure	Compact, Indoor Metal
Terminal Block Power Connector for Mobile/Vehicular Deployment	Yes
AC Adapter	AC Input 100V-240V DC Output 12V, 2A
Input Voltage	DC 10-56V
PoE Input	No
PoE Output	Yes (802.3at) *
Power Consumption	Max.: 16W
Dimensions in inches	1.6 x 5.8 x 5.0 inches
Dimensions in mm	40 x 147 x 128 mm
Weight (Pound)	0.96 pounds
Weight (Grams)	435 grams
Operating Temperature	-40° – 149°F -40° – 65°C
Humidity	15% – 95% (non-condensing)

Certifications

FCC, CE, RoHS	Yes
E-Mark (Motor Vehicle)	No
EN 61373 Shock and Vibration Resistance	No
EN 50155 Railway Applications – Electronic Equipment used on Rolling Stock	No
EN 61000 Electromagnetic Compatibility	No
Warranty	1-Year Limited Warranty

[!] Requires license to increase maximum number of PepVPN/SpeedFusion Peers. Several option are available based on the model 5, 10 or 20 peers (PVN-LC-05, PVN-LC-10, PVN-LC-20).

[*] Requires PoE Activation Kit. Includes power supply and license to enable 802.3af PoE Output Ports.

[&] WAN port(s) can be configured as LAN port(s) via the Web Admin.

[1] The frequency range for 2.4GHz and 5GHz are 2412−2472 MHz and 5180−5825 MHz respectively.

[2] Recommended user: Recommendation for sizing purposes only. No software restrictions applied.

[3] Router Throughput and PepVPN/SpeedFusion Throughput is based on Ethernet frame sizes of 1280 or 1518 bytes. Actual performance can vary across different networking environments. Figures apply to the latest hardware revision. The throughput result is tested with DHCP/Static IP. x

[4] Transmit power can be configured on the Web Admin Interface.

[5] Cache Throughput refers to the speed of routing content from disk drive to LAN.

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