MAX BR1 ENT

Enterprise Grade Router with LTE Failover

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LAN 1 LAN 2 WAN/LAN 3
USB 1
802.3af PoE
VCC GND TX RX RTS CTS
PEPWAVE MAX
Status Cellular 2
12V-48V DC

LTE Highspeed Broadband Router

The BR1 ENT delivers blazing 200Mbps router throughput with automatic failover to LTE and comes without Wi-Fi, making it an ideal choice for deployments that demand high performance, and outstanding reliability.
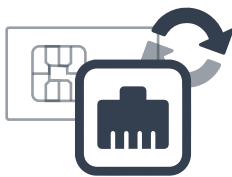
Works With*

verizon **Sprint** **at&t** **T··Mobile·**

*Selected models

Highspeed Broadband with LTE backup

Stay online when connections fail with instant automatic failover. Connect a high-speed primary line and a backup LTE connection, and the BR1 ENT will seamlessly switch between wired and cellular links as needed to keep your connection stable and fast.

SpeedFusion Hot Failover.

MAX BR automatically re-establishes your IPsec VPN connection on lower priority link when your primary WAN fails. Your VPN stays up, and you stay seamlessly connected.

SpeedFusion"
Bonding Technology

Meet Strict Security Compliance

Got a strict no-Wi-Fi security policy? Configured without Wi-Fi, the BR1 ENT is a great choice for deployments with compliance requirements.
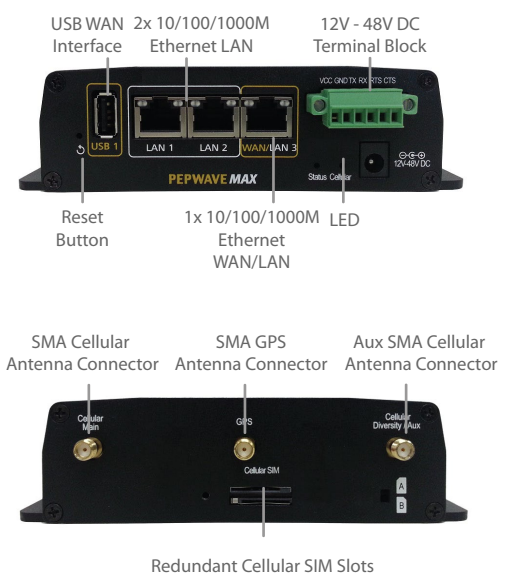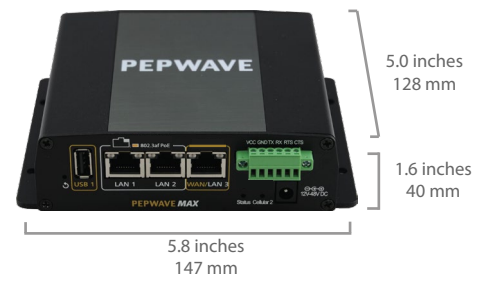
Certified for Tough Deployment

In addition to rugged metal enclosure, BR1 ENT has certifications on:
Shock and vibration resistance (EN 61373:1999 IEC 61373:1999)
RF Port Lightning Immunity (ITU-T K.20 (+/- 1.5 kV))
Railway Applications (EN 50155)
Electromagnetic Compatibility (EN 61000)

Specifications

	MAX BR1 ENT
WAN Interface	1x USB Interface 1x GE 1x Embedded LTE Modem with Redundant SIM Slots
LAN Interface	2x GE
Router Throughput	300Mbps
Recommended Users	150
LTE Modem	Downlink/Uplink Datarate: 100Mbps/50Mbps
LTE-A Modem	Downlink/Uplink Datarate: 300Mbps/50Mbps
Cellular and GPS Antenna Connector	2x SMA Antenna Connectors 1x SMA GPS Antenna Connector (2x 2dBi Indoor 4G LTE Antennas Included)
Power Input	DC Jack/Terminal Block: 12V – 48V DC
Power Consumption	12W (max.)
Dimensions	5.8 x 5.0 x 1.6 inches 147 x 128 x 40 mm
Weight	0.96 pound 435 grams
Operating Temperature	-40° – 149°F -40° – 65°C
Humidity	15% – 95% (non-condensing)
Certifications	FCC, CE, RoHS, E-Mark RF Port Lightning Immunity: ITU-T K.20 (+/- 1.5 kV) EN 61373:1999 IEC 61373:1999 : Shock and Vibration Resistance: EN 50155: Railway Applications EN 61000: Electromagnetic Compatibility
Warranty	1-Year Limited Warranty

5.0 inches / 128 mm
1.6 inches / 40 mm
5.8 inches / 147 mm

USB WAN Interface — 2x 10/100/1000M Ethernet LAN — 12V - 48V DC Terminal Block
Reset Button — 1x 10/100/1000M Ethernet WAN/LAN — LED

SMA Cellular Antenna Connector — SMA GPS Antenna Connector — Aux SMA Cellular Antenna Connector

Redundant Cellular SIM Slots

Ordering Information

	Product Code	Carrier/ Region	Embedded Modems	Cellular Standard	4G Bands/Frequencies (MHz)	3G Bands/Frequencies (MHz)
LTEA	MAX-BR1-ENT-LTEA-W-T	Worldwide^	1	LTE Advanced	B1/2100, B2/1900, B3/1800, B4/AWS, B5/850, B7/2600, B8/900GSM , B12/700a, B13/700c, B20/800DD, B25/1900+, B26/850+, B29/700d, B30/2300WCS, B41/TD2500	WCDMA/HSPA+/DC-HSPA+: B1/2100, B2/1900, B3/1800, B4/AWS, B5/850, B8/900
	MAX-BR1-ENT-LTEA-P-T	Asia-Pacific	1	LTE Advanced	B1/2100, B3/1800, B5/850, B7/2600, B8/900, B18/800 Lower, B19/800 Upper, B21/1500 Upper, B28/700 APT, B38/TD 2600, B39/TD 1900+, B40/TD 2300, B41/TD 2500	WCDMA/HSPA+/DC-HSPA+: B1/2100, B5/850, B8/900, B9/1800, B19/800 Upper UMTS: B6/800 TD-SCDMA: B39/1900
LTE	MAX-BR1-ENT-LTE-US-T	Verizon/Sprint/ AT&T/T-Mobile	1	LTE	B2/1900, B4/AWS, B5/850, B13/700, B17/700, B25/1900	WCDMA/HSPA+/DC-HSPA+: B1/2100, B2/1900, B4/AWS, B5/850, B8/900 EV-DO Rev.A: BC0/800, BC1/1900, BC10/800
	MAX-BR1-ENT-LTE-E-T	Europe/ International	1	LTE	B1/2100, B3/1800, B7/2600, B8/900, B20/800	WCDMA/HSPA+/DC-HSPA+: B1/2100, B2/1900, B5/850, B6/800, B8/900

^Pending certification by Verizon and Sprint in the US

Features

WAN
Support for PPPoE, Static IP, DHCP
WAN Link Health Check
Bandwidth Allowance Monitor
Support for Dynamic DNS services
WAN Port Convertible into LAN Port

LAN
DHCP Server for LAN Clients
Extended DHCP Options
DHCP Reservation
DNS Proxy for LAN Clients
VLAN on LAN Support
Per-Port VLAN Support

Security
Stateful Firewall

DoS Prevention
Web Blocking
Web Filtering Blacklist

Complete VPN Solution
PepVPN / SpeedFusion Hot Failover
  Site-to-Site VPN
  Hot Failover
  256-bit AES Encryption
  Pre-shared Key Authentication
  Dynamic Routing
IPsec VPN (Network-to-Network)

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

Advanced QoS
User Groups
  Individual Bandwidth Limit
Application Prioritization
  SIP, HTTPS, VPN QoS
  Custom Application QoS

Device Management
InControl 2 Cloud Managment
Router Utility Mobile App
Active Client & Session Lists
Bandwidth Usage Statistics

Web Reporting Services
Syslog Service
SNMP v1, v2c and v3

Global Positioning System
Integrated GPS
Device Location Map
Location Tracking Data
Fleet Management with InControl 2

Package Content
MAX BR1 ENT
12V2A Power Supply
1x GPS Antenna
2x 2dBi 4G LTE Antennas

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