

# MAX BR1 ENT

Enterprise Grade Router with LTE Failover



## LTE Highspeed Broadband Router

The BR1 ENT delivers blazing 300Mbps 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.

Compatible With:



\*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.



## 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.

**SpeedFusion™**  
VPN Bonding Technology



## 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.

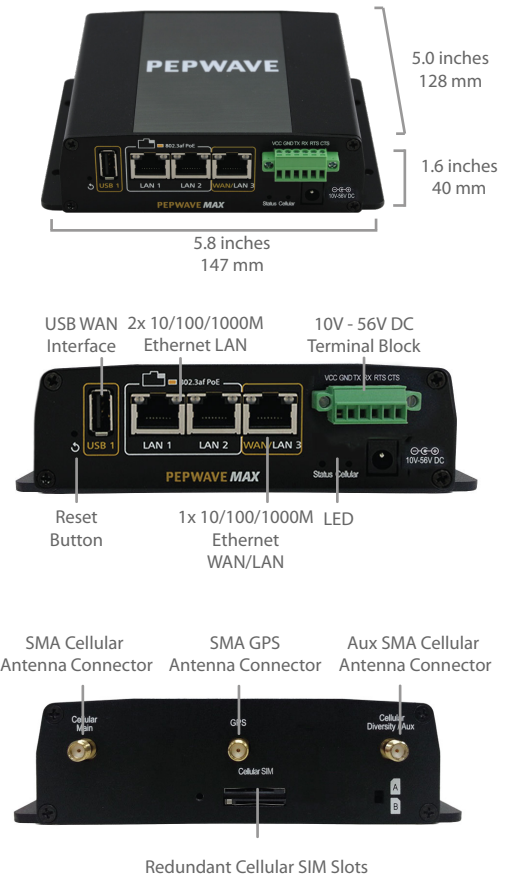


## Certified for Tough Deployment

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
Downlink/Uplink Datarate	100Mbps/50Mbps (LTE Modem) 300Mbps/50Mbps (LTE-A Modem) 600Mbps/150Mbps (LTE-A Pro Modem)
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: 10V – 56V 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, IC RF Port Lightning Immunity: ITU-T K.20 (+/- 1.5 kV)
Warranty	1-Year Limited Warranty



## Ordering Information

	Product Code	Carrier/Region	Embedded Modems	Cellular Standard	4G Bands	3G Bands
LTE-A Pro	MAX-BR1-ENT-LTEA-R-T	America / FirstNet / CAT-12	1	LTE Advanced Pro	B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B14, B18, B19, B20, B26, B29, B30, B32, B41, B42, B43, B46, B48, B66	HSPA+: B1, B2, B4, B5, B6, B8, B9, B19
	MAX-BR1-ENT-LTEA-K-T	Global* / CAT-12	1	LTE Advanced Pro	B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B20, B26, B28, B29, B30, B32, B41, B42, B43, B46, B48, B66	HSPA+: B1, B2, B4, B5, B6, B8, B9, B19
LTEA	MAX-BR1-ENT-LTEA-W-T	Worldwide / CAT-6	1	LTE Advanced	B1, B2, B3, B4, B5, B7, B8, B12, B13, B20, B25, B26, B29, B30, B41	WCDMA/HSPA+/DC-HSPA+: B1, B2, B3, B4, B5, B8
	MAX-BR1-ENT-LTEA-P-T	Asia Pacific / CAT-6	1	LTE Advanced	B1, B3, B5, B7, B8, B18, B19, B21, B28, B38, B39, B40, B41	WCDMA/HSPA+/DC-HSPA+: B1, B5, B8, B9, B19 UMTS: B6 TD-SCDMA: B39
LTE	MAX-BR1-ENT-LTE-E-T	Europe / International / CAT-4	1	LTE	B1, B3, B5, B7, B8, B20, B38 (TDD), B40(TDD), B41 (TDD)	WCDMA/HSPA+/DC-HSPA+: B1, B5, B8

\* China & HK TD LTE are excluded.

## 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  
BGP, OSPFv2 and RIPv2 Support

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

**Device Management**  
InControl 2 Cloud Management  
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