

# MAX BR1 cellular router

Industrial-Grade 4G LTE/3G Router

**PEPWAVE**  
Broadband Possibilities



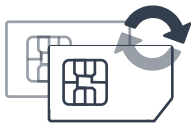
## Automatic Failover 4G LTE Router.

The BR1 offers redundant SIM slots with automatic switching, DC or terminal block power capability, advanced GPS fleet tracking, and remote management, all packed into a durable metal enclosure. It is also Verizon XLTE certified.

Works With

verizon Sprint at&t T-Mobile

And worldwide 4G LTE/3G carriers



## Redundant SIM Slots for Multiple Carriers.

Redundant SIM slots with automatic switching for reliable network. You can set the BR1 to automatically switch SIM cards when you're in danger of exceeding a data cap. It also allows you travel across borders without changing SIM cards manually.



## Fleet Tracking and Management

With built-in GPS fleet tracking and InControl cloud-based management, you can keep tabs on location and manage your mobile network from any Internet-connected device.



## Customize Captive Portal

Branding your captive portal is as easy as uploading your logo and terms & conditions. You can easily set bandwidth allowance and access duration per user or manage access using RADIUS.



## SpeedFusion Hot Failover

SpeedFusion technology powers MAX BR1 for seamless failover.



## Terminal Block for Secure Power Supply

MAX BR1 is equipped with a terminal block for secure power installation in vehicles and other locations.

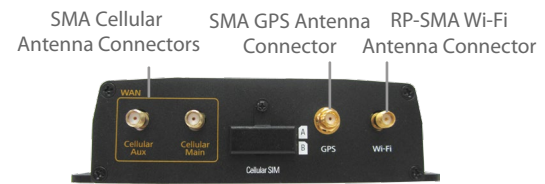
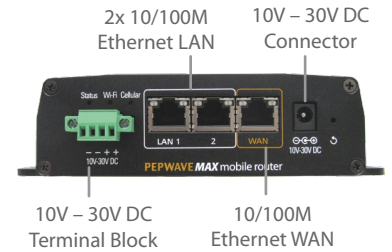
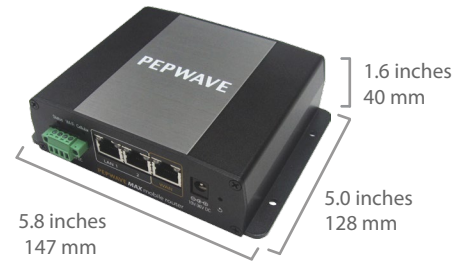


## Certified Toughness

In addition to rugged metal enclosure, BR1 has certifications on:  
Shock and vibration resistance (EN 61373:1999, IEC 61373:1999)  
Railway applications (EN 50155)  
Electromagnetic Compatibility (EN 61000)

# Specifications

MAX BR1	
WAN Interface	1x FE Embedded LTE/3G Modem with Redundant SIM Slots
LAN Interface	2x FE
Wi-Fi Interface	802.11b/g/n 300 Mbps Wi-Fi WAN and/or AP
Router Throughput	100Mbps
Recommended Users	1-60
Cellular and GPS Antenna Connector	2x SMA Antenna Connectors 1x SMA GPS Antenna Connector 1x Wi-Fi Connector
Power Input	DC Jack/Terminal Block: 10V – 30V DC
Power Consumption	16W (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



# Ordering Information

Product Code	Carrier/Region	Embedded Modem	4G Bands/Frequencies (MHz)	3G Bands/Frequencies (MHz)
MAX-BR1-LTE-US-T	Verizon/Sprint AT&T/T-Mobile	1	4G LTE: B2/1900, B4/AWS (XLTE), 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-LTE-E-T	Europe/International	1	4G 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
MAX-BR1-LTE-TD-T	China	1	TDD LTE: B38/2600, B39/1900, B40/2300, B41/2500 FDD LTE: B1/2100, B3/1800	TD-SCDMA: B34/2000, B39/1900 UMTS: Band 1/2100 EVDO/CDMA: BC0/800
MAX-BR1-LTE-SC-T	Scandinavia	1	FDD LTE: B3/1800, B7/2600, B20/800, B31/450	-

### Add-on Feature

Product Code	Product Name	Description
MAX-BR1-ADV	Advanced Feature Pack	Package includes a software license key for Advanced Car-Fi Roaming; and SpeedFusion and IPsec X.509 Certificate Support

# 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  
Wef Filtering Blacklist

**Load Balancing**  
Intelligent Failover  
Session Persistence  
Per-Service Load Distribution  
Multiple Algorithms

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

**Complete VPN Solution**  
PepVPN/SpeedFusion Hot Failover  
Site-to-Site VPN  
Hot Failover  
256-bit AES Encryption  
Pre-shared Key Authentication  
Dynamic Routing  
X.509 Certificate Support\*  
IPsec VPN (Network-to-Network)  
X.509 Certificate Support\*

**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

**Captive Portal Support**  
Support for Wired and Wireless LAN Clients  
Support for RADIUS Authentication  
Time and Usage Quotas on Open Access Mode  
Built-in Customizable Splash Page

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

\*Available as optional feature.