MAX BR1 cellular router

Industrial-Grade M2M 4G LTE Router

PEPWAVE
Broadband Possibilities

Built to Last. First in Mobile Uptime.

The Pepwave MAX BR1 is a rugged, ready-for-anything M2M connectivity solution that powers unparalleled uptime and dependability in mobile command, first response, surveillance, banking, retail, and other deployments. Featuring Automatic Failover between fixed and mobile links, IPsec VPN Failover, built-in 802.11n Wi-Fi and 4G LTE/3G modems, and SpeedFusion™ persistent session roaming, the MAX BR1 keeps critical voice, data, and video streams flowing fast, without interruption, wherever your work takes you.

Works With

verizon Sprint at&t T··Mobile· LTE

And **200+** USB Modem from Worldwide Carriers

Automatic WAN Failover.

MAX BR1 automatically switches between Ethernet WAN, Wi-Fi as WAN, and 4G LTE/3G links to keep your WAN up and running at all times.

IPsec VPN Failover.

MAX BR1 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.

Embedded 4G LTE or World-Mode 3G Modem.

Cut complexity and cost with a built-in 4G modem that supports Verizon or AT&T 4G LTE network. The BR1 is also available with embedded world-mode 3G modem that supports both CDMA and GSM for all U.S. carriers.

Redundant SIM Slots with Data Overage Protection.

The BR1 saves you money with a bandwidth allowance monitor that switches SIMs when you're close to a data cap. Dual SIM slots also eliminate 3G network dead spots by automatically switching carriers for ultra-reliable, consistent mobile connections.

Industrial Durability.

Built to withstand temperatures from -40° to 65°C and featuring ESD/surge protection for all ports, the MAX BR1 is designed for worry-free performance wherever your work takes you.

Versatile Input Voltage. Redundant Power Supply.

The MAX BR1 supports a wide input range of 10V – 30V DC. It also keeps the current and your work uninterrupted with a built-in terminal block that can be used in tandem with the BR1's DC connector to give you high availability power you can depend on.

SpeedFusion™ Hot Failover.

Thanks to hot failover powered by SpeedFusion technology, failover between fixed and mobile links is completely seamless. With other technologies, fixed/mobile failover terminates existing connections, creating costly downtime. With SpeedFusion hot failover, you won't miss a beat when your MAX BR1 switches between connections.

Bridge/IP Pass-Through Mode.

Bridge/IP pass-through mode transparently passes your cellular public IP to your Ethernet LAN, simplifying your deployments alongside existing equipment.

Switchable 802.11n Wi-Fi as WAN or AP.

Built-in 802.11n Wi-Fi lets you connect to a Wi-Fi source as WAN. Switchable to Wi-Fi AP, the MAX BR1 also lets you deploy a fast, secure, and reliable Wi-Fi hotspot anywhere.

Dual Ethernet LAN Ports.

Dual Ethernet LAN ports mean you don't have to worry about external switches and power supplies or unnecessary maintenance and setup hassles, even if your work requires two LAN ports.

Central Management.

Cloud and local administration options let you manage all your mobile outposts from one intuitive interface.

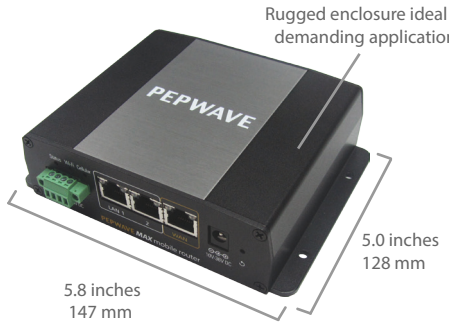
GPS Location Service.

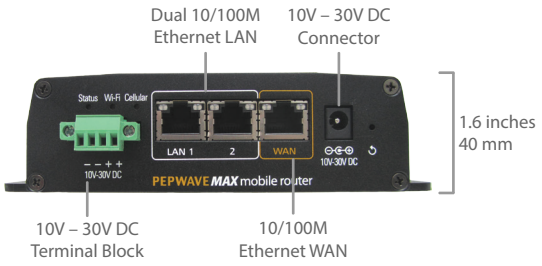
Built-in GPS lets you keep tabs on fleet vehicles wherever they may be. Easy to interface with external GPS systems, the MAX BR1 allows you to maximize resources and team coordination while improving safety and productivity.

Specifications

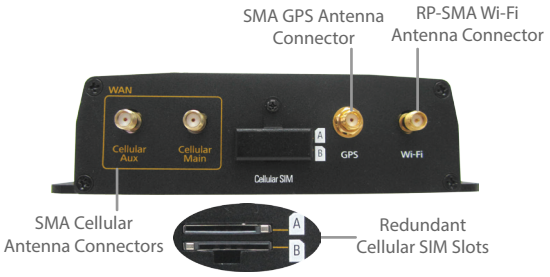
MAX BR1	
WAN Interface	1x 10/100M Ethernet Ports 1x Embedded Cellular Modem with Redundant SIM Slots
LAN Interface	2x 10/100M Ethernet Ports 802.11b/g/n 150 Mbps Wi-Fi Access Point
Wi-Fi AP Operating Frequency	2412 – 2472 MHz
Router Throughput	100Mbps
Number of SpeedFusion Peers	2
PepVPN/SpeedFusion Throughput (no encryption)	60Mbps
PepVPN/SpeedFusion Throughput (256-bit AES)	20Mbps
Cellular and GPS Antenna Connector	2x SMA Cellular Antenna Connectors (4G LTE) 1x SMA Cellular Antenna Connector (3G) 1x SMA GPS Antenna Connector
Wi-Fi Antenna Connector	1x RP-SMA Wi-Fi Connector
Power Input	Device: 10V – 30V DC AC Adapter: AC Input 100V – 240V, DC Output 12V Terminal Block: 10V – 30V DC
Power Consumption	16W (max.)
Dimension	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, E-Mark, RoHS
Warranty	1-Year Limited Warranty

For the most updated specifications, please refer to our website: http://www.pepwave.com/max-mobile-router/.

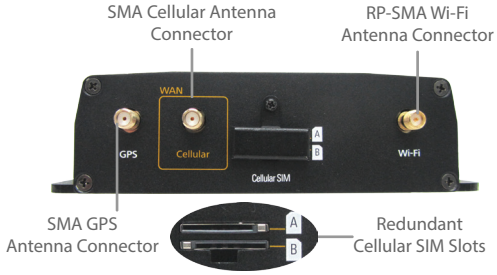




4G LTE



3G



Features

WAN
Support for PPPoE, Static IP, DHCP
WAN Link Health Check
Intelligent Failover
Bandwidth Allowance Monitor
Support for Dynamic DNS services

LAN
DHCP Server for LAN Clients
Extended DHCP Options
DHCP Reservation
DNS Proxy for LAN Clients

Complete VPN Solution
PepVPN
- Site-to-Site VPN
- Hot Failover
- 256-bit AES Encryption
- Pre-shared Key Authentication
- Dynamic Routing

IPsec VPN (Network-to-Network)

Advanced QoS
User Groups
- Individual Bandwidth Limit

Application Prioritization
- SIP, HTTPS, VPN QoS
- Custom Application QoS

Networking
IP Passthrough
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
WINS Server

Security
Stateful Firewall
DoS Prevention

Device Management
Web Administrative Interface
Command Line Interface
InControl Cloud Managment
Router Utility Mobile App
Email Notification
Active Client & Session Lists
Bandwidth Usage Statistics
Web Reporting Services
Syslog Service
SNMP v1, v2c and v3

Certification
FCC, CE, E-Mark, RoHS

Product Ordering Information

MAX BR1

	Product Code	Carrier	Description
4G LTE	MAX-BR1-LTE-V-T	Verizon	Embedded 4G model supporting Verizon's 4G LTE network and providing automatic fallback to Verizon 3G as needed.
4G LTE	MAX-BR1-LTE-A-T	AT&T	Embedded 4G model supporting AT&T's 4G LTE network and providing automatic fallback to AT&T 3G as needed.
4G LTE	MAX-BR1-LTE-E-T	4G LTE/HSPA+ (EU)	Embedded 4G model supporting 4G LTE for EU and worldwide GSM carrier. Technologies and frequncy bands supported: 4G LTE (800/900/1800/2100/2600 MHz); UMTS/WCDMA/HSPA+ (900/2100 MHz); EDGE/GPRS/GSM (900/1800/1900 MHz).
3G	MAX-BR1-T	Worldwide	Embedded 3G model supporting the global networks of all mobile carriers, including Verizon, AT&T, Sprint, and worldwide GSM carrier. Technologies and frequency bands supported: UMTS/HSDPA/HSUPA (800/850/900/1900/2100 MHz); EDGE/GPRS/GSM (850/900/1800/1900 MHz); CDMA 1xRTT/EV-DO (800/1900 MHz).

Add-on Feature

Product Code	Feature Pack	Description
MAX-BR1-ADV	Advanced Feature Pack	Package includes a software license key for Advanced Car-Fi Roaming[1] and IPsec X.509 Certificate Support

[1]For more information about Advanced Car-Fi Roaming, please refer to our website: http://www.pepwave.com/products/carfi/.

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