BR1 Mini Core
Unbreakable Connectivity. Unbeatable Price.

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Constant Connectivity

With the BR1 Mini Core, there is always a way to connect. Use a combination of cellular and Ethernet # to provide users with constant connectivity.

Sold separately.

High Security

To minimize the attack surface, some enterprise deployments require routers to have no Wi-Fi or GPS. The BR1 Mini Core fulfills these requirements while providing high functionality at a low price point.

OOBM Support*

Create a modern out-of-band network to manage all your equipment. Give yourself console and Ethernet connectivity to all of your devices. Display your devices console interface over the cloud via InControl so you can securely manage from anywhere without the usual headaches.

*Available with optional accessory (ACW-411)

Deploy Anywhere

The BR1 Mini Core is designed to function where other routers can't. It is certified for vibration resistance and rolling stock (E Mark, EN 61373, EN 50155, EN 61000). It accepts multiple power inputs and a wide voltage range. Finally, it has an optional mount for Class 1 Div 2 support*, and can function in extreme heat and cold.

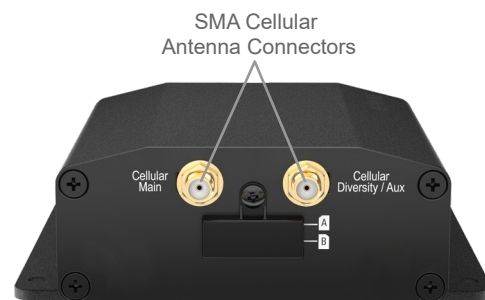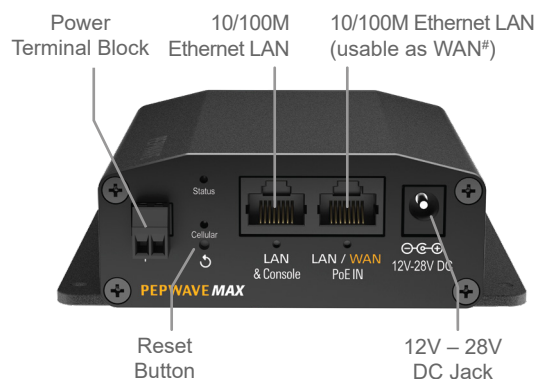*Certification pending, estimated arrival: Q4 2020

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Specifications

	MAX BR1 Mini Core
Cellular WAN Interfaces	Single LTE Modem
Redundant SIM Slot	●
WAN Interface	1x 10/100M Ethernet Port #
LAN Interface	2x 10/100M Ethernet Port (1x Console Port shared with LAN Interface) (1x WAN Port shared with LAN Interface)
Stateful Firewall Throughput	100 Mbps
Recommended Users	60
Downlink/Uplink Datarate	150Mbps/50Mbps (LTE Modem)
Antenna Connectors	2x SMA Cellular
Power Input	DC Jack/Terminal Block: 12V – 28V DC Passive PoE Input (WAN Port, 12V – 28V DC)
Power Consumption	12W (max.)
Dimensions	4.1 x 4.3 x 1.2 inches / 105 x 110 x 30 mm
Weight	0.54 pound / 244 grams
Operating Temperature	-40° – 149°F / -40° – 65°C
Humidity	15% – 95% (non-condensing)
Warranty	1-Year Limited Warranty
Certifications	FCC, CE, RoHS, E-Mark, EN 61373: Shock and Vibration Resistance, EN 50155: Railway Applications - Electronic Equipment used on Rolling Stock, EN 61000: Electromagnetic Compatibility IC: 20682-P1930LITER5
Package Content	MAX BR1 Mini Core, 12V2A Power Supply, 2x 2dBi 4G LTE Antennas

1.2 inches
30 mm

4.3 inches
110 mm

4.1 inches
105 mm

Power Terminal Block

10/100M Ethernet LAN

10/100M Ethernet LAN (usable as WAN#)

Reset Button

12V – 28V DC Jack

SMA Cellular Antenna Connectors

Cellular Main

Cellular Diversity / Aux

Sold separately.

Ordering Information

	Product Code	Carrier/Region	Embedded Modem	Standard	4G Bands	3G Bands
LTE	MAX-BR1-MINI-LTE-US-T-M	United States	1	LTE Cat. 4	B2, B4, B5, B12, B13	HSPA+: B2, B5

Accessories

Product Code	Description
ACW-102	PoE injector for delivering passive PoE power to the BR1 Mini series
ACW-411	Serial Console Port Adapter for BR1 Mini series
MAX-BR1-MINI-LC-FS	Failover software license and related feature set for BR1-MINI, enables Ethernet and Wi-Fi WAN.

Ref no.: max-br1-mini-core-20200429-v13