PEPWAVE

CAT-20

BR1 Pro

Here LTE gets Sonic

Wi-Fi just got better

Connect multiple devices simultaneously, and experience faster throughput speeds and better bandwidth congestion with the latest Wi-Fi 6, all with less interference.
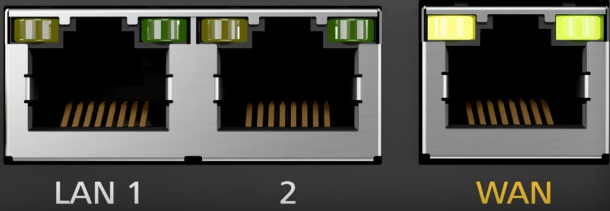
SpeedFusion Ready

Enable the endless possibilities of SpeedFusion technology just by simply connecting to SpeedFusion Cloud from wherever you are.

SPEEDFUSION Cloud

Performance Boost

The BR1 Pro has been boosted with a
CAT-20 modem which can achieve speeds of
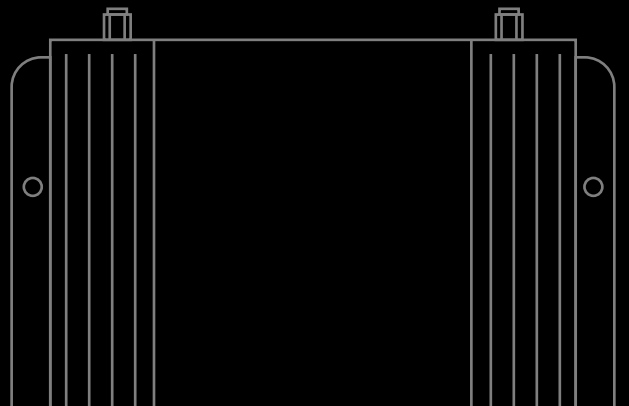up to 800% faster than the original BR1 Pro.
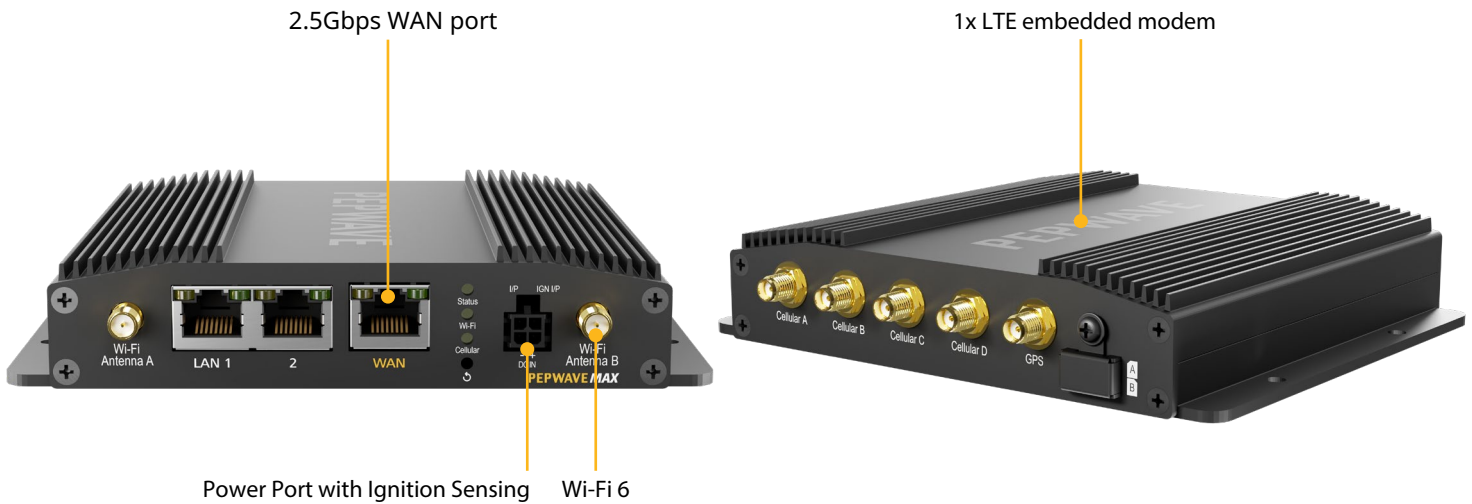
Hardcore Capabilities

The BR1 Pro comes equipped with a 2.5Gbps
Ethernet port, making it compatible for your
network devices to run at their designated
speeds without limitations.

LAN 1   2   WAN

Status
Wi-Fi
Cellular

Fi
na A

Deploy Anywhere

Certified toughness and wide operating temperatures
mean you can just deploy, forget, and enjoy the benefits.

BR1 Pro (CAT-20)

2.5Gbps WAN port

1x LTE embedded modem

Power Port with Ignition Sensing   Wi-Fi 6

Specifications

WAN Interface	1x 10/100/1000/2500M Ethernet [1] 1x LTE-A Pro Modem with Redundant SIM Slots	**Antenna Connectors**	4x SMA Cellular Antenna Connectors 2x RP-SMA Wi-Fi Antenna Connectors 1x SMA GPS Antenna Connector
LAN Interface	2x 10/100/1000M Ethernet	**Power Input**	10 - 30V
Wi-Fi Interface	Simultaneous Dual-Band (2.4GHz / 5GHz) Wi-Fi 6, 2X2 MU-MIMO Wi-Fi WAN and/or AP	**Power Consumption**	8 W (nominal), 19 W (max.)
		Dimension	5.78 x 5.08 x 1.15 inches / 146.8 x 129 x 29.3 mm
SpeedFusion features	Hot Failover [2], WAN Smoothing [2], Bandwidth Bonding [2]	**Weight**	1.5 pounds / 680 grams
Number of SpeedFusion VPN Peers	2 / 5 [3]	**Operating Temperature**	-40°– 149°F / -40°– 65°C
		Humidity	15% – 95% (non-condensing)
Features	Drop-in Mode Load Balancing/Failover Ignition Sensing	**Certifications**	FCC, CE, RoHS E-Mark (Motor Vehicle) [6] EN 61373 Shock and Vibration Resistance [6] EN 50155 Railway Applications - Electronic Equipment used on Rolling Stock EN 61000 Electromagnetic Compatibility EN 45545-2 Railway applications - Fire protection
Router Throughput	1 Gbps		
SpeedFusion VPN Throughput - No Encryption - 256-bit AES	 400 Mbps 200 Mbps	**Package Content**	1x MAX BR1 Pro CAT-20 4x LTE/5G Antennas (ACW-234) 2x Dual Band Wi-Fi Antennas (ACW-341) 1x GPS Antenna (ACW-232) 1x 12V2A Power Supply (ACW-632)
Recommended Users	1-150		
AP Controller	Standard [4]	**SIM Card Size**	Nano-SIM (4FF)
Maximum Number of AP Supported	30 [4]	**Warranty**	1-Year Limited Warranty
Cellular Data Rate [5] (Downlink/Uplink)	CAT-20: 2 Gbps / 211 Mbps		

[1] The WAN port can act as a LAN port if needed.
[2] Requires PrimeCare Subscription, complementary for the first year.
[3] 2 SpeedFusion VPN Peers are enabled by default. 5 SpeedFusion VPN Peers are enabled with PrimeCare Subscription, complimentary for the first year.
[4] Will be supported in a future firmware upgrade.
[5] Theoretical maximum data rates.
[6] Certifications Pending.

BR1 Pro (CAT-20)

Ordering Information

Product Code	Regions	LTE Bands	3G Bands
MAX-BR1-PRO-GLTE-S-T-PRM	Compatibility: Global	B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B46, B48, B66, B71	HSPA+: B1, B2, B3, B4, B5, B8, B9
Embedded Modem(s):			
1x LTE-A Pro (CAT-20)			

Featured Add-on

Product Code	Description
PRM-MAX-BR1-PRO-1Y	1-Year PrimeCare for BR1 Pro
PRM-MAX-BR1-PRO-2Y	2-Year PrimeCare for BR1 Pro
PRM-MAX-BR1-PRO-4Y	4-Year PrimeCare for BR1 Pro