



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 Connect from wherever you are.

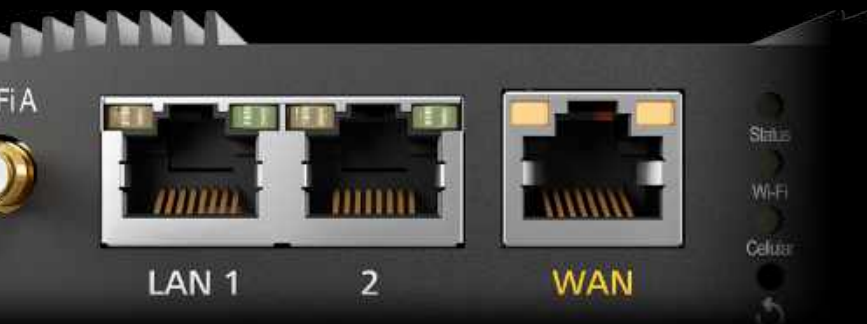


BR1 Pro (CAT-20)



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.



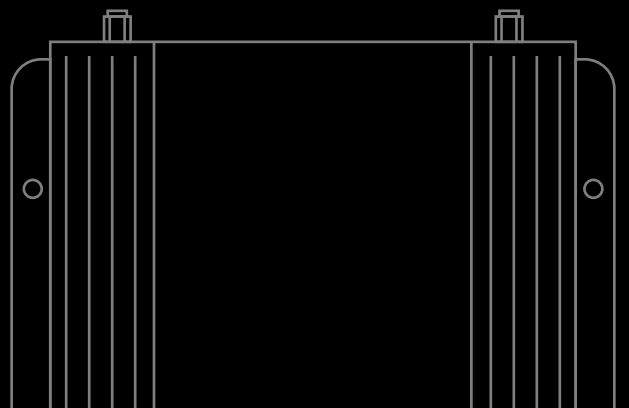
Hardcore Capabilities

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.

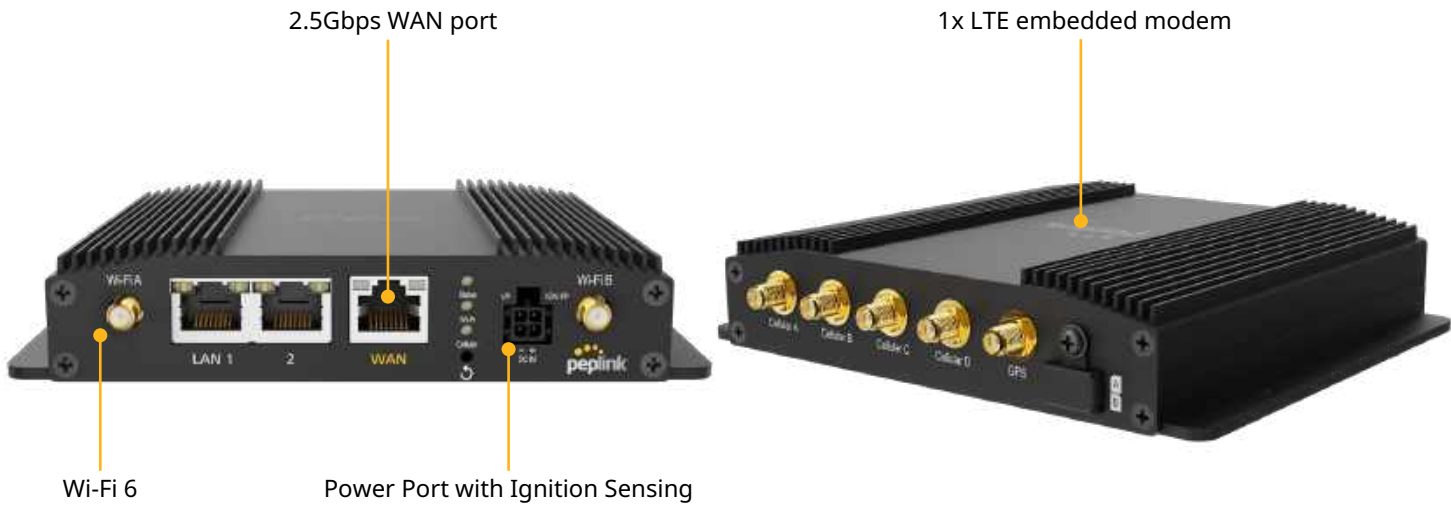


Deploy Anywhere

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



BR1 Pro (CAT-20)



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	Power Port: 10V – 30V DC AC Adapter: AC Input 100V–240V / DC Output 12V
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.)
SpeedFusion features	Hot Failover, Smoothing, Bandwidth Bonding	Dimension	5.78 x 5.08 x 1.15 inches / 146.8 x 129 x 29.3 mm
Number of SpeedFusion VPN Peers	2 / 5 ²	Weight	1.5 pounds / 680 grams
Features	Drop-in Mode Load Balancing/Failover Ignition Sensing	Operating Temperature	-40°– 149°F / -40°– 65°C
Router Throughput	1 Gbps	Humidity	15% – 95% (non-condensing)
SpeedFusion VPN Throughput - No Encryption - 256-bit AES	400 Mbps 200 Mbps	Certifications	FCC, CE, RoHS E-Mark (Motor Vehicle) EN 61373 Shock and Vibration Resistance EN 50155 Railway Applications - Electronic Equipment used on Rolling Stock EN 61000 Electromagnetic Compatibility EN 45545-2 Railway applications - Fire protection
Recommended Users	1-150	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)
AP Controller	Standard	SIM Options	Nano-SIM (4FF) Peplink eSIM BYO eSIM (2 profiles) ⁵
Maximum Number of AP Supported	30 / 50 ³	Warranty	1-Year Limited Warranty
Cellular Data Rate ⁴ (Downlink/Uplink)	CAT-20: 2 Gbps / 211 Mbps		

¹ The WAN port can act as a LAN port if needed.
² 2 SpeedFusion VPN Peers are enabled by default. 5 SpeedFusion VPN Peers are enabled with PrimeCare Subscription, complimentary for the first year.
³ Available as a licence add-on (AP-LC-50).
⁴ Theoretical maximum data rates.
⁵ Available with Firmware 8.4.0 or above.

Specifications are subject to change without notice.

Ordering Information

Product Code	Regions	LTE Bands	3G Bands
MAX-BR1-PRO-GLTE-S-T-PRM Embedded Modem(s): 1x LTE-A Pro (CAT-20)	Compatibility: Global* *US Carrier Certifications: AT&T, T-Mobile, Verizon (C-Band), FirstNet	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	B1, B2, B4, B5, B8, B9

Featured Add-on

Product Code	Description
PRM-B-1Y / PCP-B-1Y	PrimeCare B / PrimeCare+ B (1-Year)
PRM-B-2Y / PCP-B-2Y	PrimeCare B / PrimeCare+ B (2-Year)
PRM-B-4Y / PCP-B-4Y	PrimeCare B / PrimeCare+ B (4-Year)
ACW-634	10ft DC Power Cable
ACW-643	Vehicle Cigarette to Molex Power Cable
ACW-791	4-Pin Micro-Fit to USB-C Power Cable
ANT-MB-42G-S-W-6	Mobility 42G - 4x4 MIMO 5G Ready Cellular and Wi-Fi Antenna System with GPS (White)
ANT-MB-42G-S-B-6	Mobility 42G - 4x4 MIMO 5G Ready Cellular and Wi-Fi Antenna System with GPS (Black)
ANT-MAX	Antenna MAX - Enclosed with 4x LTE/5G, 2x Wi-Fi, 1x GPS 600-6000MHz, IP67, SMA male (Cellular, GPS), RP-SMA male (Wi-Fi), White