

MAX BR1 Pro 5G

The Classic Goes Sonic



Sonic for a Reason

The 'classic goes sonic', why? The BR1 Pro 5G is integrated with the new generation multi-core CPU ensuring delivery of gigabit speeds. Achieving 8 times faster than the original BR1 classic.



Ultimate 5G Speed



Blazing Fast Wi-Fi 6

Why Settle For An Adapter When You Can Get The Full Suite?

5G Adapter

Need a simple 5G adapter? Add a 5G WAN to any existing router or firewall without the need to replace any of your devices.



5G Router / Gateway

Why stop there? It can also serve as a powerful 5G router for your network. No matter if it's C-Band or LTE, you'll be able to add cellular connectivity easily to your network.



Fixed or Mobile

Supercharged with SpeedFusion, use the BR1 Pro 5G as the central router for your branch network. Guarantee unbreakable connections for important applications, like video calls, POS systems and more.



MAX BR1 Pro 5G



Wi-Fi 6

Experience less interference and connect to multiple devices simultaneously.

Deploy with Confidence

Just like the original BR1 Classic, the BR1 Pro 5G has also been certified to meet the standards of a wide array of deployment criterias.

FC

CE

RoHS

E

EN 61373

EN 50155

EN 61000

Low-Profile Form Factor

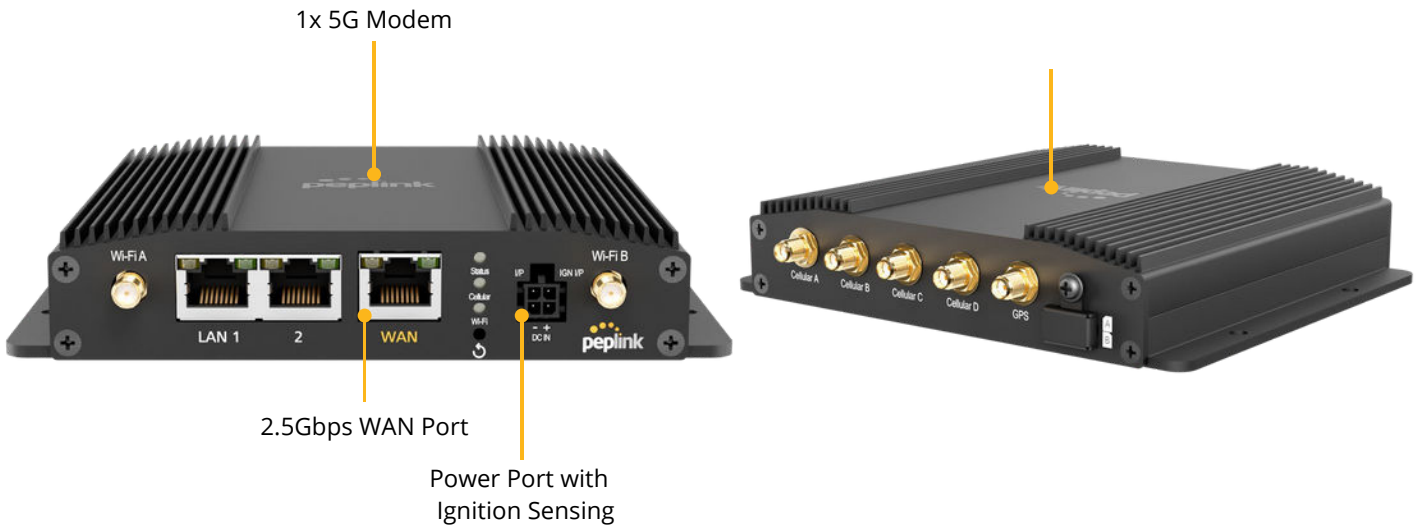
At 1.15 inches short, the BR1 Pro 5G is 25% slimmer than the BR1 Classic.

5.08 inches

5.78 inches

1.15 inches

MAX BR1 Pro 5G



Specifications

WAN Interface	1x 10/100/1000/2500 Ethernet 1 1x Embedded Cellular Modem with Redundant SIM Slots	Antenna Connectors	4x SMA Cellular Connectors 2x RP-SMA Wi-Fi Antenna Connectors 1x SMA GPS Antenna Connector
LAN Interface	2x 10/100/1000M Ethernet 1	Power Input	AC Adapter: AC Input 100V-240V / DC Output 12V 10V – 30V DC
Wi-Fi Interface	Simultaneous Dual-Band (2.4GHz / 5GHz) Wi-Fi 6 2x2 MU-MIMO Wi-Fi WAN and/or AP	Power Consumption	8W (nominal), 19W (max.)
SpeedFusion Features	Hot Failover, WAN Smoothing, Bandwidth Bonding	Dimensions	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	GPIO, Ignition Sensing	Operating Temperature	-40° – 149°F / -40° – 65°C
Router Throughput	1Gbps	Humidity	15% – 95% (non-condensing)
SpeedFusion Throughput (No Encryption)	400 Mbps	Certifications	FCC, CE, RoHS, E-Mark EN61373 Shock and Vibration Resistance EN50155 Railway Applications Electronic Equipment used on Rolling Stock EN61000 Electromagnetic Compatibility
SpeedFusion Throughput (256-bit AES)	200 Mbps 1-150	Package Content	1x BR1 Pro 5G 4x LTE/5G Antennas (ACW-235) 2x Dual Band Wi-Fi Antennas (ACW-341) 1x GPS Active Antenna (ACW-232) 1x 12V 2A 4 Pin Power Supply (ACW-632)
Recommended Users	Standard	SIM Card Size	Nano-SIM (4FF)
AP Controller	30 / 50 3	Warranty	1-Year Limited Warranty
Maximum Number of AP Supported	5G: 3.4 Gbps / 900Mbps CAT-20: 1.6 Gbps / 200 Mbps		
Cellular Data Rate 4 (Downlink / Uplink)			

¹ Ethernet ports include surge and ESD protection circuits to protect against over-voltage transients.

² Requires a PrimeCare subscription, complimentary for the first year.

³ Available as a licence add-on (AP-LC-50).

⁴ Maximum theoretical data rates.

Specifications are subject to change without notice.

Ordering Information

Product Code	Regions	5G Ba	
MAX-BR1-PRO-5GN-T-PRM Embedded Modem(s): 1x 5G	Global* *US Carrier Certifications: AT&T, T-Mobile, Verizon (C-Band), FirstNet	5G (NSA & SA) Sub 6Ghz: n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n38, n40, n41, n48, n66, n70, n71, n75, n76, n77, n78, n79	B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B46, B48, B66, B71
MAX-BR1-PRO-5GD-T-PRM Embedded Modem(s): 1x 5G	Global	5G (NSA) Sub 6Ghz: n1, n2, n3, n5, n7, n8, n12, n20, n28, n38, n41, n66, n71, n77, n78, n79	B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B46, B48, B66, B71

Featured Add-ons

Product Code	Description
PRM-C-1Y / PCP-C-1Y	PrimeCare C / PrimeCare+ C (1-Year)
PRM-C-2Y / PCP-C-2Y	PrimeCare C / PrimeCare+ C (2-Year)
PRM-C-4Y / PCP-C-4Y	PrimeCare C / PrimeCare+ C (4-Year)
ACW-634	10ft DC Power Cable
ACW-643 ANT-MB-	Vehicle Cigarette to Molex Power Cable
42G-S-B-6 ANT-MB-	7-in-1 Cellular and Wi-Fi Antenna System with GPS Receiver (Black)
42G-S-W-6 MAX-	7-in-1 Cellular and Wi-Fi Antenna System with GPS Receiver (White)
BR1-ADV	IPsec X.509 Certificate License Key

Deep Dive

Software Pepwave MAX Firmware

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 Option
- DHCP Reservation
- DNS Proxy for LAN Clients
- VLAN on LAN Support

Security Stateful Firewall

- DoS Prevention
- Web Blocking

Complete VPN Solution SpeedFusion VPN/SpeedFusion

- Hot Failover
- Site-to-Site VPN
- 256-bit AES Encryption
- Pre-shared Key Authentication
- Dynamic Routing
- X.509 Certificate Support *
- IPsec VPN (Network-to-Network) ^

Advanced QoS Individual Bandwidth Limit

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

Global System

- Location Tracking Data with InControl 2
- Fleet Management with InControl 2

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

AP Controller

- Support for Pepwave AP Series
- Auto AP Discovery
- Auto AP Firmware Management
- AP Profile Configuration
- Wi-Fi Usage Statistics

Captive Portal Support

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

Device Management

- Web Administrative Interface
- Command Line Interface
- InControl Cloud Management
- Email Notification
- Active Client & Session Lists
- Bandwidth Usage Statistics
- Syslog Service
- SNMP v1, v2c and v3

* Feature is available as an upgrade (MAX-BR1-ADV).

^ IPsec VPN supports connection with Cisco, Juniper, Peplink, or Pepwave devices.