

# 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.



## 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.



EN  
61373

EN  
50155

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61000

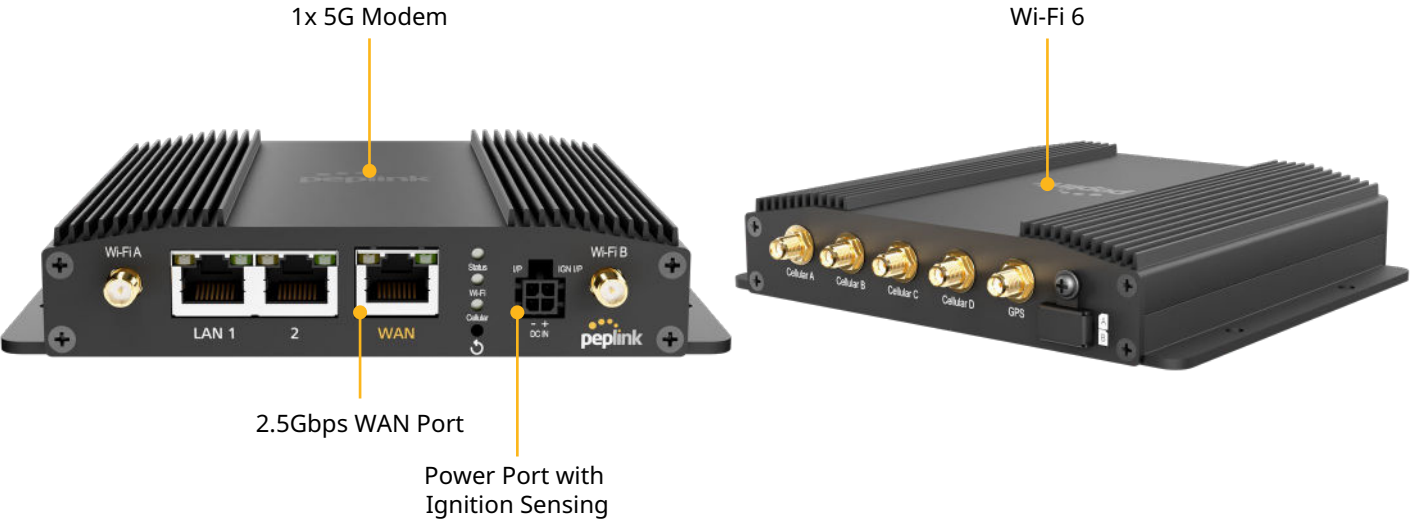
## Low-Profile Form Factor

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



Specifications

WAN Interface	1x 10/100/1000/2500M Ethernet <sup>1</sup> 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 <sup>1</sup>	Power Input	AC Adapter: AC Input 100V-240V / DC Output 12V Power Port: 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, 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 / 10 / 20 <sup>2</sup>	Weight	1.5 pounds / 680 grams
Router Throughput	1Gbps	Operating Temperature	-40° – 149°F / -40° – 65°C
SpeedFusion Throughput (No Encryption)	400 Mbps	Humidity	15% – 95% (non-condensing)
SpeedFusion Throughput (256-bit AES)	200 Mbps	Certifications	FCC, CE, RoHS, E-Mark EN61373 Shock and Vibration Resistance EN50155 Railway Applications Electronic Equipment used on Rolling Stock EN61000 Electromagnetic Compatibility EN45545-2 Railway applications - Fire protection
Recommended Users	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)
AP Controller	Standard	SIM Options	Nano-SIM (4FF) Peplink eSIM BYO eSIM (2 profiles) <sup>5</sup> RemoteSIM from SIM Injector <sup>6</sup> FusionSIM <sup>6</sup>
Maximum Number of AP Supported	30 / 50 <sup>3</sup>	Warranty	1-Year Limited Warranty
Cellular Data Rate <sup>4</sup> (Downlink / Uplink)	5G: 4.1Gbps / 900Mbps CAT-20: 2Gbps / 211Mbps		

<sup>1</sup> Ethernet ports include surge and ESD protection circuits to protect against over-voltage transients.  
<sup>2</sup> 5 SpeedFusion VPN Peers are enabled with PrimeCare Subscription. 10 or 20 SpeedFusion VPN peers can be enabled with software license (PVN-LC-10 and PVN-LC-20).  
<sup>3</sup> Available as a licence add-on (AP-LC-50).  
<sup>4</sup> Maximum theoretical data rates.  
<sup>5</sup> Available with Firmware 8.4.0 or above.  
<sup>6</sup> RemoteSIM and FusionSIM compatible with hardware version 2 or above.

Specifications are subject to change without notice.

## Ordering Information

Product Code	Regions	5G Bands	LTE Bands
MAX-BR1-PRO-5GN-T-PRM Embedded Modem(s): 1x 5G	Global*  *US Carrier Certifications: AT&T, T-Mobile, Verizon (C-Band), FirstNet	<b>5G (NSA &amp; SA) Sub 6Ghz:</b> 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, B43, B46, B48, B66, B71
MAX-BR1-PRO-5GD-T-PRM Embedded Modem(s): 1x 5G	Global	<b>5G (NSA) Sub 6Ghz:</b> 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
MAX-BR1-PRO-5GK-T-PRM Embedded Modem(s): 1x 5G	Global	<b>5G (NSA &amp; SA) Sub 6Ghz:</b> n1, n2, n3, n5, n7, n8, n20, n25, n28, n30, n38, n40, n41, n48, n66, n71, n75, 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, B43, 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 / 3m DC Power Cable
ACW-643	Vehicle Cigarette to Molex Power Cable
ACW-791	Peplink 4-Pin Micro-Fit to USB-C Power Cable
ANT-MB-42G-S-B-6	Mobility 42G - 4x4 MIMO 5G Ready Cellular and Wi-Fi Antenna System with GPS (Black)
ANT-MB-42G-S-W-6	Mobility 42G - 4x4 MIMO 5G Ready Cellular and Wi-Fi Antenna System with GPS (White)
MAX-BR1-ADV	IPsec X.509 Certificate License Key

## Deep Dive

<b>Software</b>	Pepwave MAX Firmware	<b>Global Positioning System</b>	Integrated GPS Device Location Map Location Tracking Data with InControl 2 Fleet Management with InControl 2
<b>WAN</b>	Support for PPPoE, Static IP, DHCP WAN Link Health Check Bandwidth Allowance Monitor Support for Dynamic DNS services WAN Port Convertible into LAN Port	<b>Networking</b>	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
<b>LAN</b>	DHCP Server for LAN Clients Extended DHCP Option DHCP Reservation DNS Proxy for LAN Clients VLAN on LAN Support	<b>AP Controller</b>	Support for Pepwave AP Series Auto AP Discovery Auto AP Firmware Management AP Profile Configuration Wi-Fi Usage Statistics
<b>Security</b>	Stateful Firewall DoS Prevention Web Blocking	<b>Captive Portal Support</b>	Support for Wired and Wireless LAN clients Support RADIUS Authentication Time and Usage Quotas on Open Access Mode Built-in Customizable Splash Page
<b>Complete VPN Solution</b>	SpeedFusion VPN/SpeedFusion <ul style="list-style-type: none"><li>Hot Failover</li><li>Site-to-Site VPN</li><li>256-bit AES Encryption</li><li>Pre-shared Key Authentication</li><li>Dynamic Routing</li></ul> X.509 Certificate Support * IPsec VPN (Network-to-Network) ^	<b>Device Management</b>	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
<b>Advanced QoS</b>	Individual Bandwidth Limit Application Prioritization <ul style="list-style-type: none"><li>SIP, HTTPS, VPN QoS</li><li>Custom Application QoS</li></ul>		

\* Feature is available as an upgrade (MAX-BR1-ADV).  
^ IPsec VPN supports connection with Cisco, Juniper, Peplink, or Pepwave devices.