BR1 Pro 5G

The Classic Goes Sonic

TAA COMPLIANT

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.

5G Ultimate 5G Speed

6 Blazing Fast Wi-Fi 6

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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.

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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 · EN 45545-2 · MIL-STD 810H

Low-Profile Form Factor

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

1.15 inches

5.08 inches

5.78 inches

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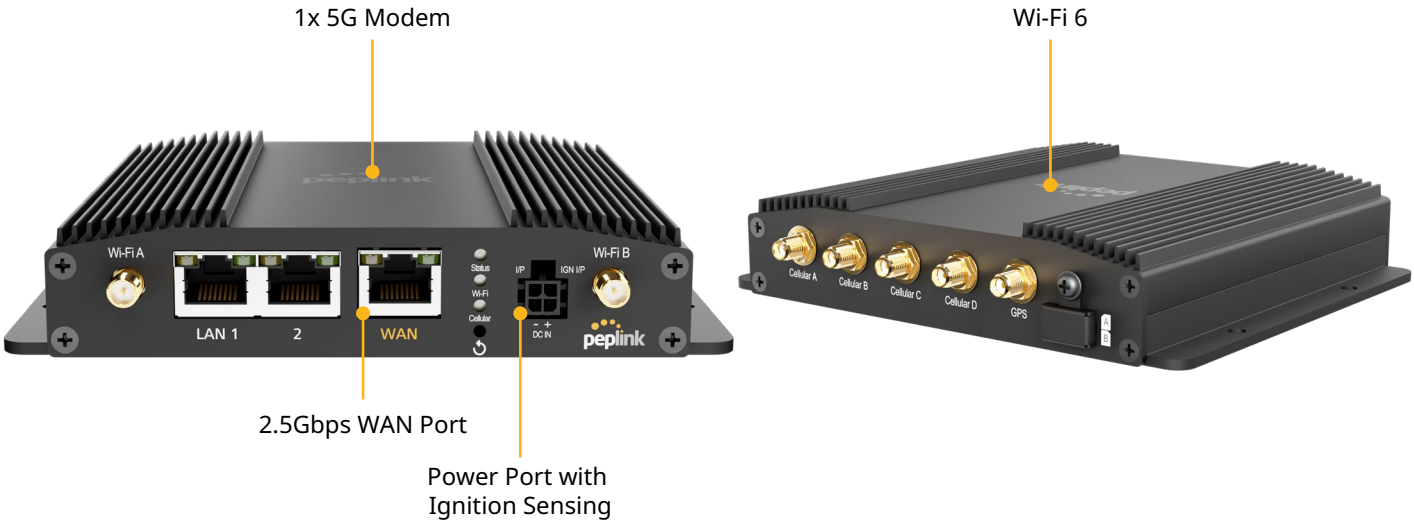

Specifications

WAN Interface	1x 10/100/1000/2500M Ethernet [1] 1x Embedded Cellular Modem with Redundant SIM Slots
LAN Interface	2x 10/100/1000M Ethernet [1]
Wi-Fi Interface	Simultaneous Dual-Band (2.4GHz / 5GHz) Wi-Fi 6 2x2 MU-MIMO Wi-Fi WAN and/or AP
Router Throughput	1Gbps
SpeedFusion	
• **Features**	Hot Failover, Smoothing, Bandwidth Bonding, SpeedFusion Boost
• **VPN Peers**	2 / 5 / 10 / 20 [2]
• **VPN Throughput** **- No Encryption** **- 256-bit AES**	 400 Mbps 200 Mbps
Recommended Users	1-150
AP & Switch Controller	Standard
Maximum Number of Controlled AP / Switch	30 / 50 [3]
Cellular Data Rate [4] (Downlink / Uplink)	5G: 4.1Gbps / 900Mbps CAT-20: 2Gbps / 211Mbps

Antenna Connectors	4x SMA Cellular Connectors 2x RP-SMA Wi-Fi Antenna Connectors 1x SMA GPS Antenna Connector
Power Input	AC Adapter: AC Input 100V-240V / DC Output 12V Power Port: 10V – 30V DC
Power Consumption	8W (nominal), 19W (max.)
Dimensions	5.78 x 5.08 x 1.15 inches / 146.8 x 129 x 29.3 mm
Weight	1.5 pounds / 680 grams
Operating Temperature	-40° – 149°F / -40° – 65°C
Humidity	15% – 95% (non-condensing)
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 MIL-STD-810H Method 514.8
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 DC, 2A 4-Pin Power Supply (ACW-632)
SIM Options	Nano-SIM (4FF) Peplink eSIM BYO eSIM (4 profiles) [5] RemoteSIM from SIM Injector [6] FusionSIM [6]
Warranty	1-Year Limited Warranty

[1] Ethernet ports include surge and ESD protection circuits to protect against over-voltage transients.
[2] 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).
[3] Available as a licence add-on (AP-LC-50).
[4] Maximum theoretical data rates.
[5] Available with Firmware 8.6.0 or above.
[6] RemoteSIM and FusionSIM compatible with hardware version 2 or above.

Specifications are subject to change without notice.

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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**	**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, B43, B46, B48, B66, B71
MAX-BR1-PRO-5GK-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, 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

Featured Add-on

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
ACW-DIN-BR1	DIN Rail Mount for BR1 Pro and BR1 Mini Series
ANT-SLM-40G-S-B-6	Slim 40G - 4x4 MIMO 5G Ready Cellular 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)
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
ANT-MAX-S	Antenna MAX S - IP-rated integrated antenna enclosure for hybrid cellular and Starlink Mini connectivity

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Deep Dive

Software	Peplink 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 Positioning System	Integrated GPS Device Location Map 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.