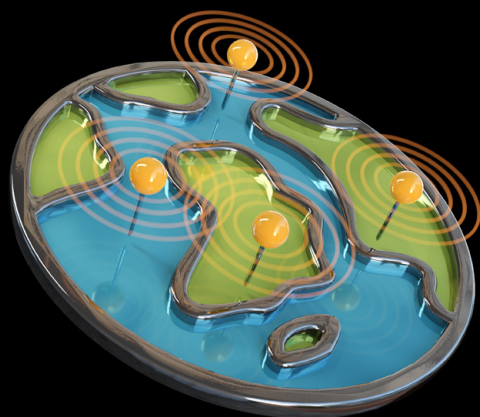




BR1 Mini 5G

Affordable, Long-lasting 5G
for Mass Deployments

4G connectivity might work fine today, but the switch to 5G is inevitable. Futureproof your network with the latest 5G technology, and keep your network running for many years to come.



A single SKU for global deployments

Extensive list of compatible 5G/LTE bands.
Native 5G NSA and SA mode support.

Private 5G Support

Adding devices to your Private 5G network is no longer a hassle. Integration can be as simple as plug and play.

NSA ↙

SA !

Private 5G (P)

One device to do it all

Bring 5G Wi-Fi to your setup with a **single compact device**. This means simpler networks, **lower costs** and fewer points of failure.

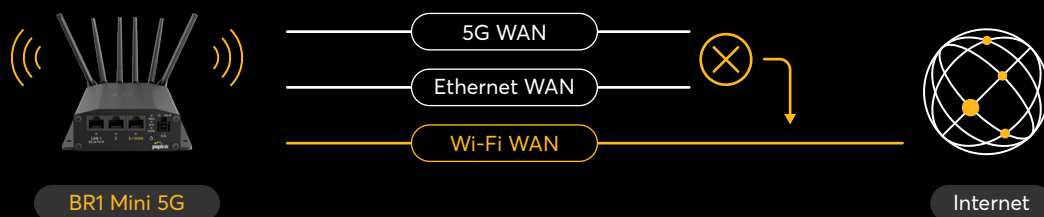


Utilize Wi-Fi WAN for Added Reliability

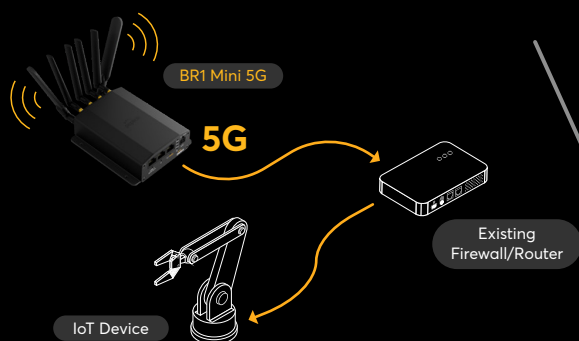
Take an existing Wi-Fi connection and use it as an **additional WAN** for yourself.



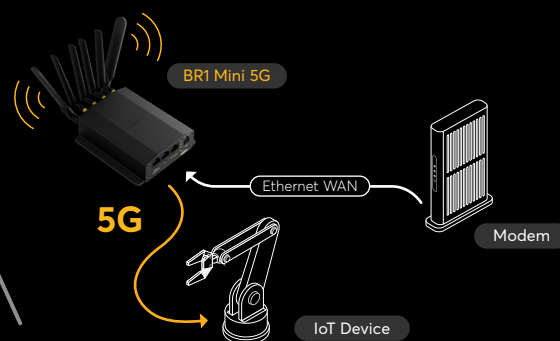
Having multiple redundant WANs helps ensure your **connection stays up** when your 5G or wired connection falters.



► **5G Adapter**



► **Gateway/Router**



Have an existing network? Add the **BR1 Mini 5G** as a **5G adapter** with zero hassle. Need something more? The device can also act as a **gateway/router** for multiple WANs.

MobileMustHave
MOBILE LIFESTYLE SOLUTIONS

Stay in touch with **InTouch**

Access connected devices, like sensors and cameras, with **out of band management** at 5G speeds.



Monitor your entire network from a single screen

Remotely access your Peplink devices' web admin with **InControl2**, our cloud-based endpoint management system. Generate reports and push configurations for more **effective management**.

► Key BR1 Mini 5G Benefit

An exceptionally reliable, rugged 5G Cellular Router that connects your data and Internet applications - wherever they are.

#1 Future-proof Connectivity

With the latest cellular LTE and 5G via **SIM** or **eSIM** and a second optional **Ethernet WAN**, the BR1 Mini 5G connects your Ethernet devices with up to 300Mbps throughput.



#2 Ruggedized and Reliable

Built in a **rugged & reliable metal case** with **fanless, ventless design** certified for shock and vibration resistance for deployment virtually anywhere.



#3 Designed for Remote Operation

With central management via Peplink **InControl2** and local device management via Peplink **InTouch**, the BR1 Mini saves time and reduces field visits.



► Use Cases



POS



IoT, Kiosk, Remote Surveillance

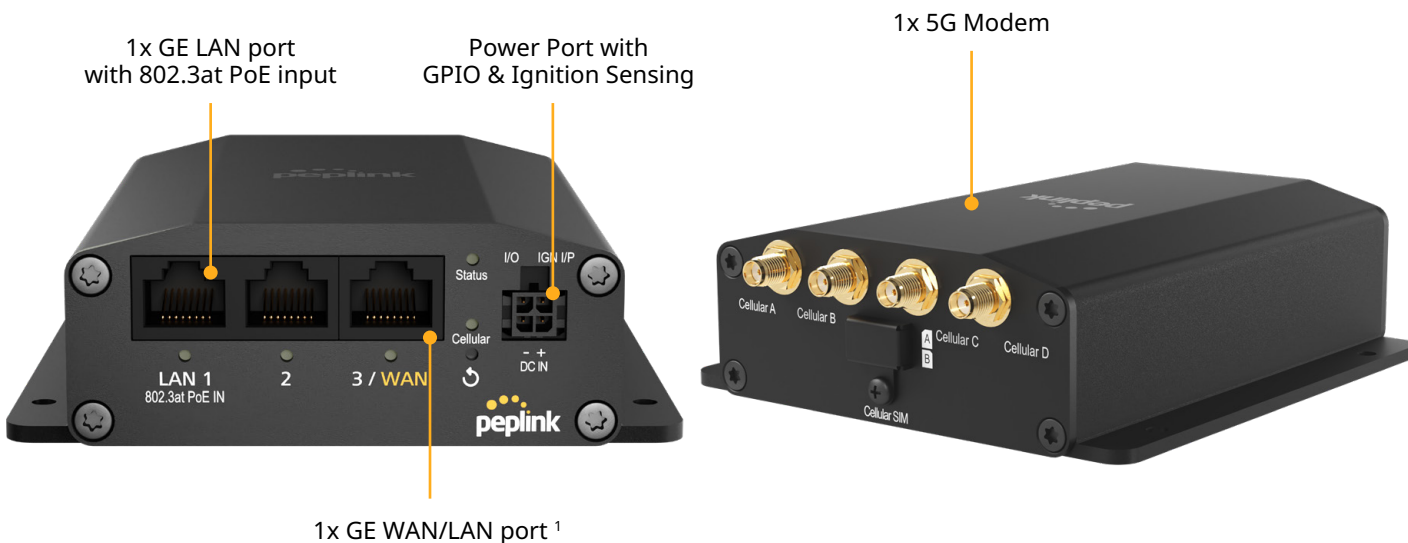


Mobility



Remote Work

BR1 Mini 5G



Specifications

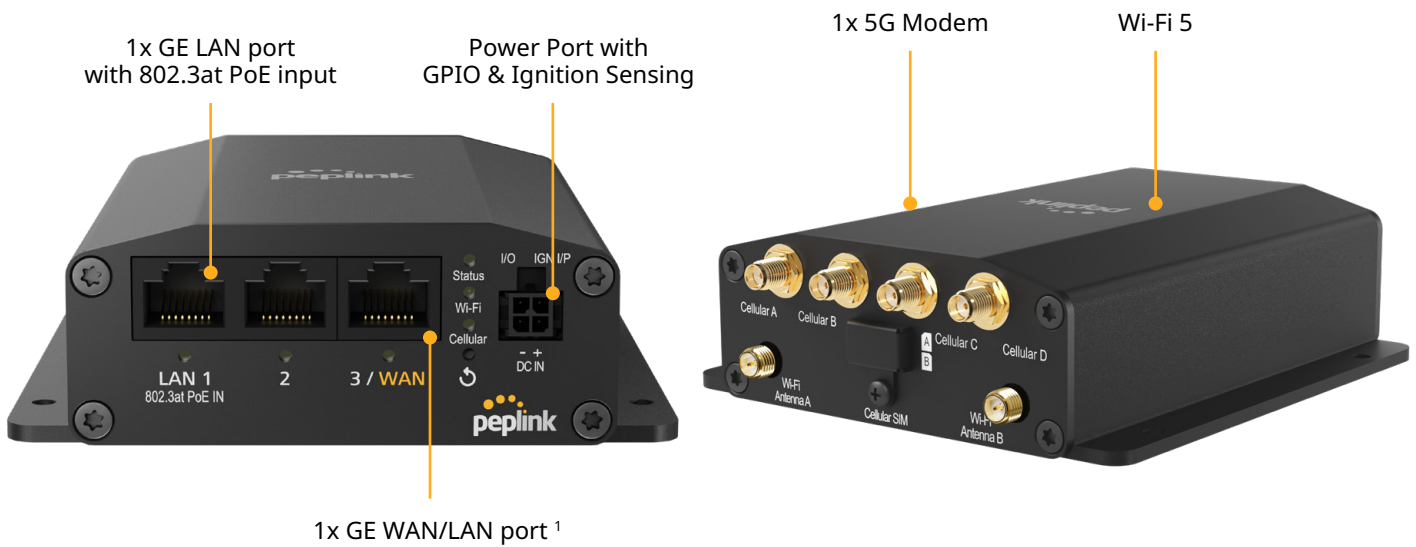
| | | | |
|--|--|------------------------------|--|
| WAN Interface | 1x 10/100/1000M Ethernet ¹ 1x Embedded Cellular Modem with Redundant SIM Slots | Antenna Connectors | 4x SMA Cellular Antenna Connectors |
| LAN Interface | 2x 10/100/1000M Ethernet | Power Input | Power Port: 10V – 30V DC AC Adapter: AC Input 100V–240V / DC Output 12V Power over Ethernet 802.3at |
| SpeedFusion features | Hot Failover ¹ / Smoothing ¹ / Bandwidth Bonding ¹ | Power Consumption | 11W (nominal) , 13W (max.) |
| Number of SpeedFusion VPN Peers | 2 / 5 ¹ | Dimension | 5.0 x 4.2 x 1.4 inches / 125.7 x 107 x 35 mm |
| Router Throughput | 300 Mbps | Weight | 0.93 pounds / 420 grams |
| SpeedFusion VPN Throughput - No Encryption | 80 Mbps | Operating Temperature | -40° – 149°F / -40° – 65°C |
| - 256-bit AES | 60 Mbps | Humidity | 15% – 95% (non-condensing) |
| Recommended Users | 1-60 | Certification | FCC, CE, RoHS EN 61000 Electromagnetic Compatibility EN 45545-2 Railway applications - Fire protection |
| Cellular Data Rate ² (Downlink/Uplink) | 5G: 3.4 Gbps / 900 Mbps CAT-20: 1.6 Gbps / 200 Mbps | Package Content | 1x BR1 Mini 5G 4x LTE/5G Antennas (ACW-235) 1x 12V 2A 4pin Power Supply (ACW-632) |
| | | SIM Options | Nano-SIM (4FF) Peplink eSIM BYO eSIM (2 profiles) |
| | | Warranty | 1-Year Limited Warranty |

¹ Require a PrimeCare subscription or a feature pack add-on license (MAX-BR1-MINI-LC-FP).

² Maximum theoretical data rate.

Specifications are subject to change without notice.

BR1 Mini 5G (HW2)



Specifications

| | | | |
|---|---|------------------------------|--|
| WAN Interface | 1x 10/100/1000M Ethernet ¹ 1x Embedded Cellular Modem with Redundant SIM Slots | Antenna Connectors | 4x SMA Cellular Antenna Connectors 2x RP-SMA Wi-Fi Antenna Connectors |
| LAN Interface | 2x 10/100/1000M Ethernet | Power Input | Power Port: 10V – 30V DC AC Adapter: AC Input 100V-240V / DC Output 12V Power over Ethernet 802.3at |
| Wi-Fi Interface | Simultaneous Dual-Band (2.4GHz / 5GHz) Wi-Fi 5, 2X2 MIMO Wi-Fi WAN ¹ and/or AP | Power Consumption | 13W (nominal) , 18W (max.) |
| SpeedFusion features | Hot Failover ¹ / Smoothing ¹ / Bandwidth Bonding ¹ | Dimension | 5.0 x 4.2 x 1.4 inches / 125.7 x 107 x 35 mm |
| Number of SpeedFusion VPN Peers | 2 / 5 ¹ | Weight | 0.94 pounds / 425 grams |
| Router Throughput | 300 Mbps | Operating Temperature | -40° – 149°F / -40° – 65°C |
| SpeedFusion VPN Throughput - No Encryption - 256-bit AES | 80 Mbps 60 Mbps | Humidity | 15% – 95% (non-condensing) |
| Recommended Users | 1-60 | Certification | FCC, CE, RoHS EN 61000 Electromagnetic Compatibility EN 45545-2 Railway applications - Fire protection |
| Cellular Data Rate ² (Downlink/Uplink) | 5G: 3.4 Gbps / 900 Mbps CAT-20: 1.6 Gbps / 200 Mbps | Package Content | 1x BR1 Mini 5G (HW2) 4x LTE/5G Antennas (ACW-235) 2x Dual Band Wi-Fi Antennas (ACW-342) 1x 12V 2A 4pin Power Supply (ACW-632) |
| | | SIM Options | Nano-SIM (4FF) Peplink eSIM BYO eSIM (2 profiles) Remote SIM from SIM Injector FusionSIM |
| | | Warranty | 1-Year Limited Warranty |

¹ Require a PrimeCare subscription or a feature pack add-on license (MAX-BR1-MINI-LC-FP).

² Maximum theoretical data rate.

Specifications are subject to change without notice.

Ordering Information

| Product Code | Regions [^] | 5G Bands | LTE Bands |
|---|--|---|--|
| MAX-BR1-MINI-5GN-T-M-PRM Embedded Modem(s): 1x 5G | Global* *US Carrier Certifications: AT&T, T-Mobile, Verizon, 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-MINI-5GN-T-PRM (With Wi-Fi) Embedded Modem(s): 1x 5G | Global* *US Carrier Certifications: AT&T, T-Mobile (Pending), Verizon, 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 |

* Regions are for reference only. For specific location compatibility, please refer to the bands.

Featured Add-on

| Product Code | Description |
|----------------------------|---|
| PRM-A-1Y / PCP-A-1Y | PrimeCare A / PrimeCare+ A (1-Year) |
| PRM-A-2Y / PCP-A-2Y | PrimeCare A / PrimeCare+ A (2-Year) |
| PRM-A-4Y / PCP-A-4Y | PrimeCare A / PrimeCare+ A (4-Year) |
| MAX-BR1-MINI-LC-FP | Feature pack for BR1 Mini enables Ethernet WAN, Wi-Fi WAN, Hot Failover, Smoothing, Bandwidth Bonding |
| MAX-BR1-MINI-BD-FP-2Y | MAX BR1 Mini Bundle Offer - 2 year PrimeCare+ extension & complimentary feature pack |
| MAX-BR1-MINI-BD-FP-4Y | MAX BR1 Mini Bundle Offer - 4 year PrimeCare extension & complimentary feature pack |
| MAX-BR1-MINI-BD-FP-PLUS-2Y | MAX BR1 Mini Bundle Offer - 2 year PrimeCare+ extension & complimentary feature pack |
| MAX-BR1-MINI-BD-FP-PLUS-4Y | MAX BR1 Mini Bundle Offer - 4 year PrimeCare+ extension & complimentary feature pack |
| 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 |
| ACW-DIN-BR1-MINI | DIN Rail mount kit |
| ANT-SLM-40G-S-B-6 | Slim 40G - 4x4 MIMO 5G Ready Cellular Antenna System with GPS (Black) |
| ANT-MB-40G-S-W-6 | Mobility 40G - 4x4 MIMO 5G Ready Cellular Antenna System with GPS (White) |
| ANT-MB-40G-S-B-6 | Mobility 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 |

Deep Dive

| | | | |
|------------------------------|--|-------------------------------|--|
| Software | Peplink MAX Firmware | Advanced QoS | Individual Bandwidth Limit Application Prioritization <ul style="list-style-type: none">• SIP, HTTPS, VPN QoS• Custom Application QoS |
| 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 | 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 |
| LAN | DHCP Server for LAN Clients Extended DHCP Option DHCP Reservation DNS Proxy for LAN Clients VLAN on LAN Support | Captive Portal Support | Support for Wired LAN and Wireless* LAN clients Support RADIUS Authentication Time and Usage Quotas on Open Access Mode Built-in Customizable Splash Page |
| Security | Stateful Firewall DoS Prevention Web Blocking | 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 |
| Complete VPN Solution | SpeedFusion VPN <ul style="list-style-type: none">• Site-to-Site VPN• Hot Failover• 256-bit AES Encryption• Pre-shared Key Authentication IPsec VPN (Network-to-Network)^ | | |

^ IPsec VPN supports connection with Cisco, Juniper, Peplink devices

*Wi-Fi function is only available on BR1 Mini 5G (HW2)