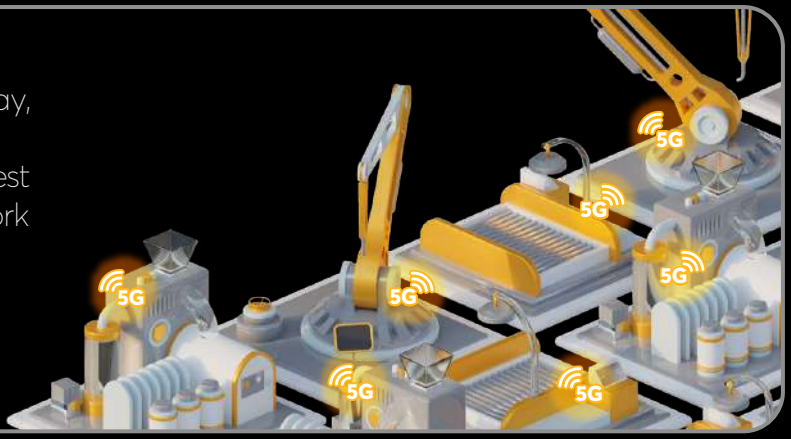
peplink

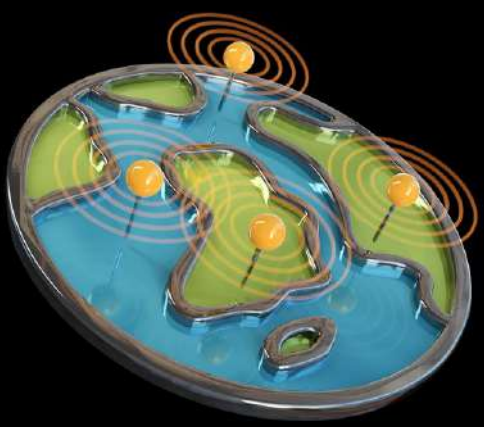
BR1 Mini 5G

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.

4G → 5G





A single SKU for global deployments

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

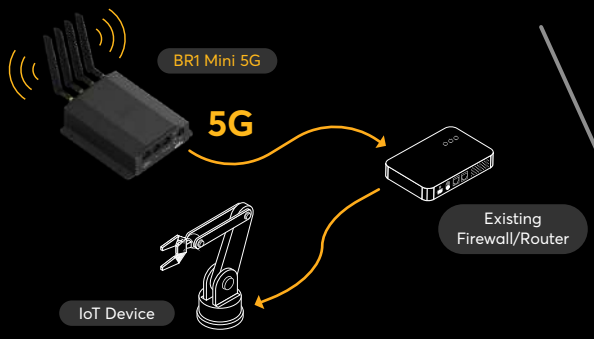
Private 5G Support

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

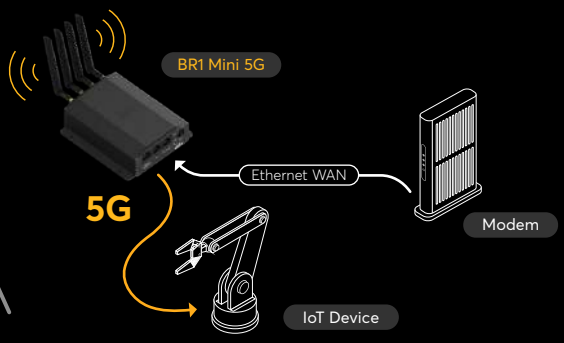
NSA | SA | Private 5G

©Peplink | Pepwave. All rights reserved.

▸ 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.

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.

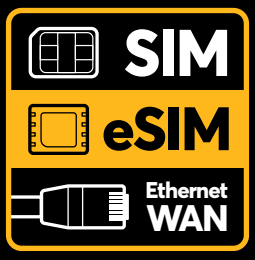
©Peplink | Pepwave. All rights reserved.

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

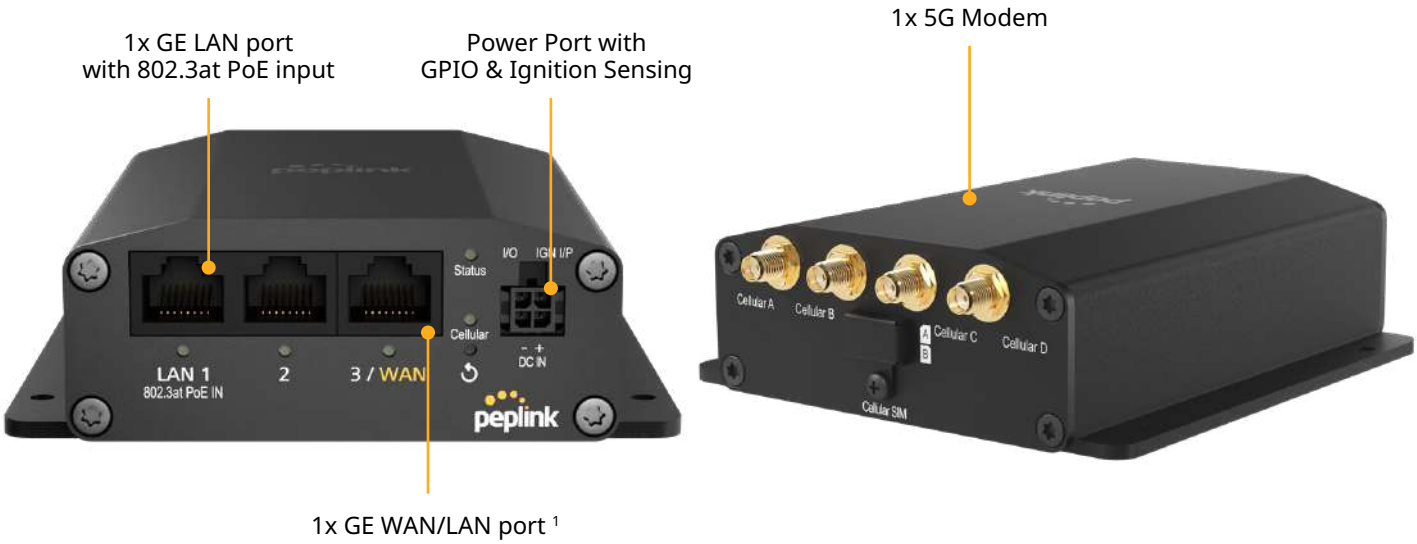
IoT, Kiosk, Remote Surveillance

Mobility

Remote Work

©Peplink | Pepwave. All rights reserved.

BR1 Mini 5G



Specifications

WAN Interface	1x 10/100/1000M Ethernet [1] 1x Embedded Cellular Modem with Redundant SIM Slots
LAN Interface	2x 10/100/1000M Ethernet
SpeedFusion features	Hot Failover [1] / Smoothing [1]/ Bandwidth Bonding [1]
Number of SpeedFusion VPN Peers	2 / 5 [1]
Router Throughput	300 Mbps
SpeedFusion VPN Throughput **- No Encryption** **- 256-bit AES**	 80 Mbps 20 Mbps / 60Mbps [1]
Recommended Users	1-60
Cellular Data Rate [2] (Downlink/Uplink)	5G: 3.4 Gbps / 900 Mbps CAT-20: 1.6 Gbps / 200 Mbps

Antenna Connectors	4x SMA Cellular Antenna Connectors
Power Input	Power Port: 10V – 30V DC AC Adapter: AC Input 100V–240V / DC Output 12V Power over Ethernet 802.3at
Power Consumption	11W (nominal) , 13W (max.)
Dimension	5.0 x 4.2 x 1.4 inches / 125.7 x 107 x 35 mm
Weight	0.93 pounds / 420 grams
Operating Temperature	-40° – 149°F / -40° – 65°C
Humidity	15% – 95% (non-condensing)
Certification	FCC, CE, RoHS EN 61000 Electromagnetic Compatibility EN 45545-2 Railway applications - Fire protection [3]
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.
[3] Certification Pending.

Specifications are subject to change without notice.

©Peplink | Pepwave. All rights reserved.

BR1 Mini 5G

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 (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

^ 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, 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-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)

©Peplink | Pepwave. All rights reserved.

BR1 Mini 5G

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
- Site-to-Site VPN
- Hot Failover
- 256-bit AES Encryption
- Pre-shared Key Authentication

IPsec VPN (Network-to-Network)^

Advanced QoS
Individual Bandwidth Limit
Application Prioritization
- SIP, HTTPS, VPN QoS
- Custom Application QoS

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

Captive Portal Support
Support for Wired 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

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

©Peplink | Pepwave. All rights reserved.