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BR1 Mini 5G

Affordable, Long-lasting 5G
for Mass Deployments

LAN 1
802.3at PoE IN

2

3 / WAN

Status
Wi-Fi
Cellular

I/O   IGN I/P

- +
DC IN

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5G

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
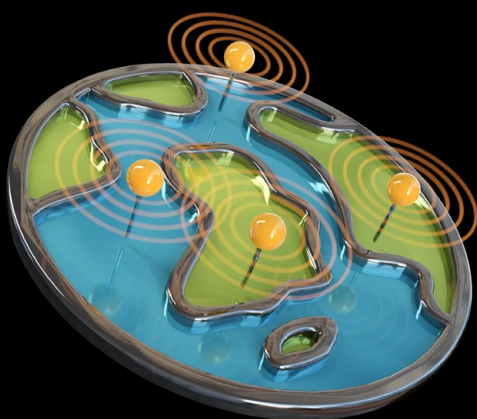
A single SKU for global deployments

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** ((·))

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.

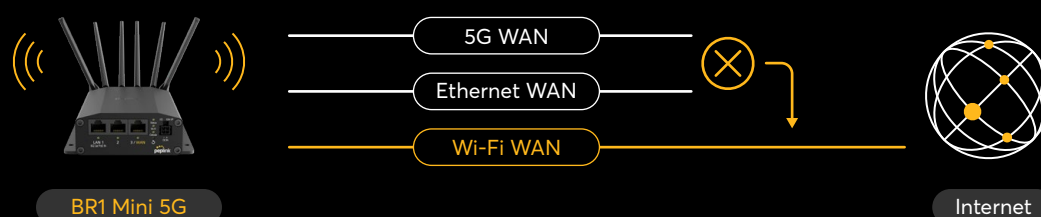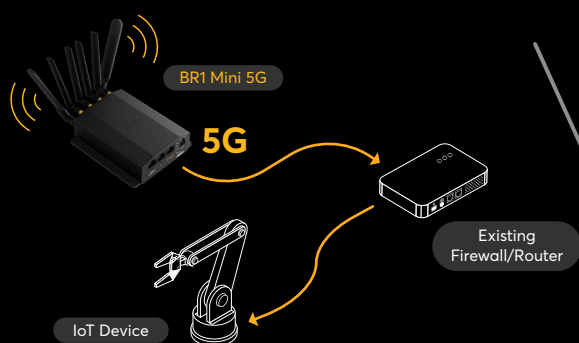## Utilize Wi-Fi WAN for Added Reliability

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

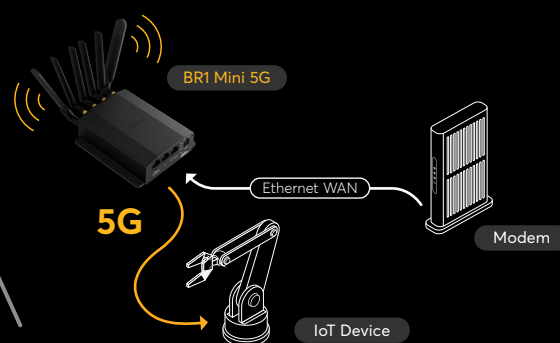| 5G WAN	Ethernet WAN	Wi-Fi WAN

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

BR1 Mini 5G · 5G WAN · Ethernet WAN · Wi-Fi WAN · Internet

▶ 5G Adapter

BR1 Mini 5G

5G

Existing
Firewall/Router

IoT Device

▶ Gateway/Router

BR1 Mini 5G

Ethernet WAN

Modem

5G

IoT Device

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.

InControl²

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.

SIM
eSIM
Ethernet WAN
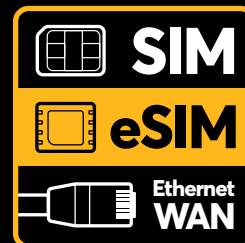
#2 Ruggedized and Reliable

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

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#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
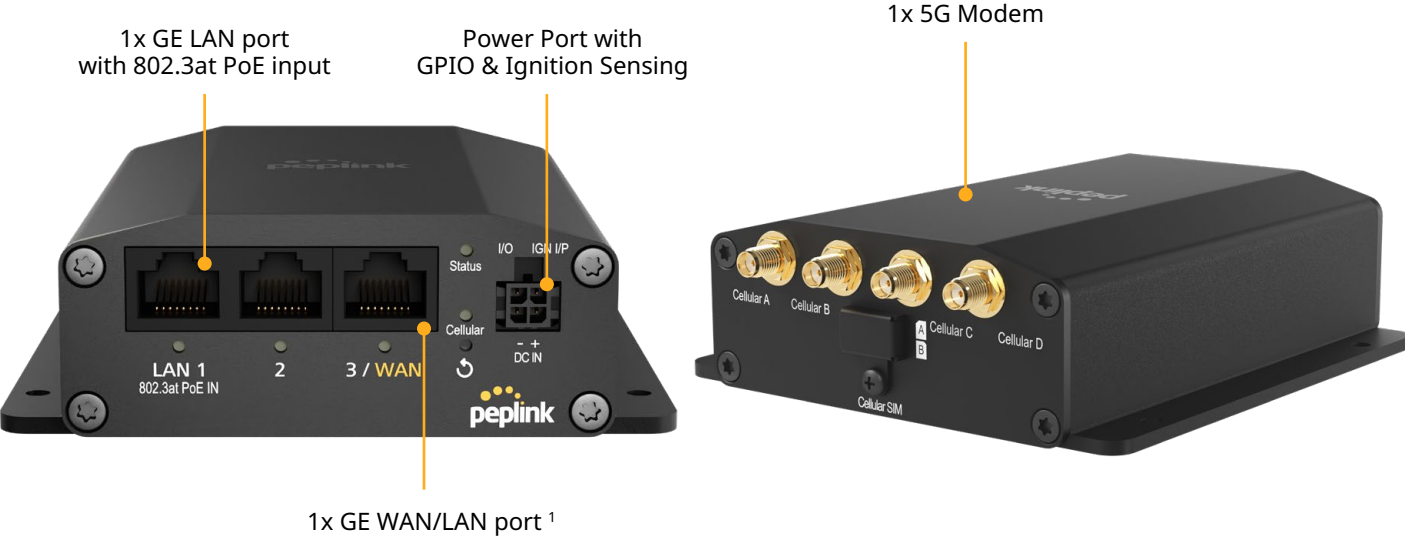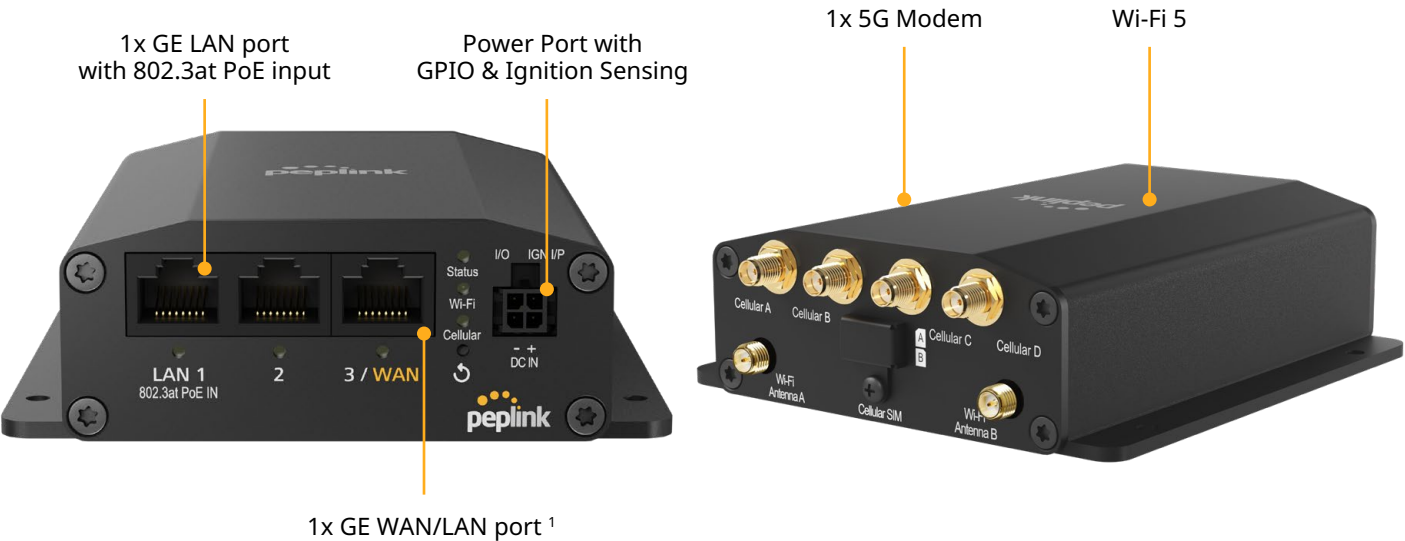
IoT, Kiosk, Remote Surveillance

Mobility

Remote Work

BR1 Mini 5G

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1x GE LAN port
with 802.3at PoE input

Power Port with
GPIO & Ignition Sensing

1x 5G Modem

1x GE WAN/LAN port [1]

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
			Weight	0.93 pounds / 420 grams
Router Throughput	300 Mbps		**Operating Temperature**	-40° – 149°F / -40° – 65°C
SpeedFusion VPN Throughput			**Humidity**	15% – 95% (non-condensing)
- No Encryption - 256-bit AES	80 Mbps 60 Mbps		**Certification**	FCC, CE, RoHS EN 61000 Electromagnetic Compatibility EN 45545-2 Railway applications - Fire protection
Recommended Users	1-60		**Package Content**	1x BR1 Mini 5G 4x LTE/5G Antennas (ACW-235) 1x 12V 2A 4pin Power Supply (ACW-632)
Cellular Data Rate [2] (Downlink/Uplink)	5G: 3.4 Gbps / 900 Mbps CAT-20: 1.6 Gbps / 200 Mbps			
			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 (with Wi-Fi)

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1x GE LAN port
with 802.3at PoE input

Power Port with
GPIO & Ignition Sensing

1x 5G Modem

Wi-Fi 5

1x GE WAN/LAN port [1]

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
		Weight	0.94 pounds / 425 grams
Number of SpeedFusion VPN Peers	2 / 5 [1]	**Operating Temperature**	-40° – 149°F / -40° – 65°C
		Humidity	15% – 95% (non-condensing)
Router Throughput	300 Mbps	**Certification**	FCC, CE, RoHS EN 61000 Electromagnetic Compatibility EN 45545-2 Railway applications - Fire protection
SpeedFusion VPN Throughput **- No Encryption** **- 256-bit AES**	 80 Mbps 60 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)
Recommended Users	1-60		
Cellular Data Rate [2] (Downlink/Uplink)	5G: 3.4 Gbps / 900 Mbps CAT-20: 1.6 Gbps / 200 Mbps	**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.

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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

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Deep Dive

Software	Peplink MAX Firmware	**Advanced QoS**	Individual Bandwidth Limit Application Prioritization • 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 • 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)