

peplink

RCM Approved

TAA COMPLIANT

BR2 Pro (5GK)

The New Benchmark for Professional Connectivity

- X65 5G Modem
- 5G SA & Network Slicing
- PoE+ Input
- Docker Support
- Flexible SIM Options
- SpeedFusion



Higher Peak Theoretical Performance
(On sub-6 GHz 5G)

X65 5G Modem **4.1 Gbps**

X62 Modem 3.4 Gbps

Advanced 5G Performance

Powered by the **X65 5G modem**, both routers support **standalone (SA) and non-standalone (NSA) 5G modes** with enhanced carrier aggregation capabilities, delivering **increased throughput** and faster speeds across public and **private 5G networks**.

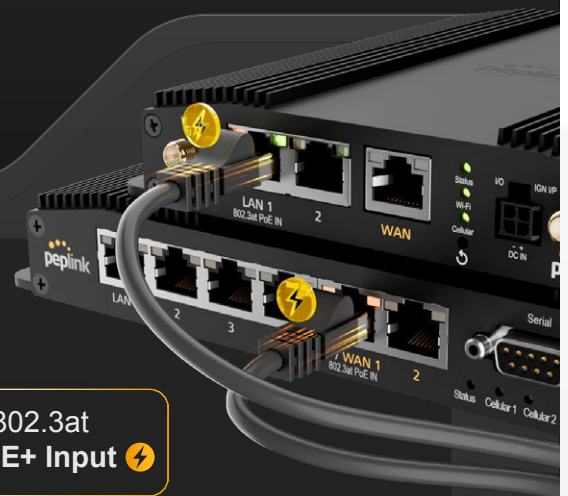
SA Mode NSA Mode LTE Fallback 4G LTE 5G

Private 5G Networks Network Slicing

Streamlined, Flexible Deployment with PoE Power Input

Power over Ethernet (PoE) input simplifies installation and cabling, allowing the BR2 to be placed in locations with better signal reception, without needing a nearby power outlet.

802.3at
PoE+ Input



8GB
Internal Storage



Smarter Operations with Edge Computing

Run custom applications directly on the device with **built-in Docker support** and **onboard storage**, enabling agile performance, seamless integration, and streamlined deployment and management.





Government-Ready: TAA Compliant

Meet federal and government requirements with **full TAA compliance** for secure and regulated deployments.



Priority for Public Safety

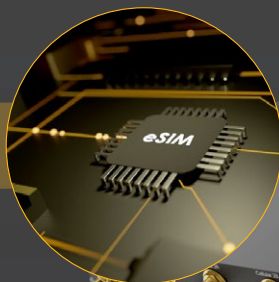
Ideal for public safety environments, both routers carry **AT&T FirstNet** and **T-Mobile T-Priority** certifications and are **Verizon Frontline** verified, ensuring prioritised and reliable connectivity during mission-critical operations.




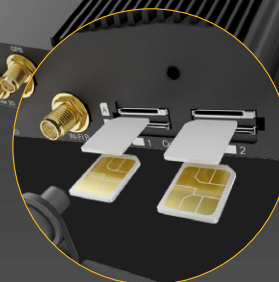
Flexible SIM choices for Any Situation

Use **eSIM** for greater efficiency and instant connectivity, with the option to use **physical SIMs** when needed.

 eSIMs



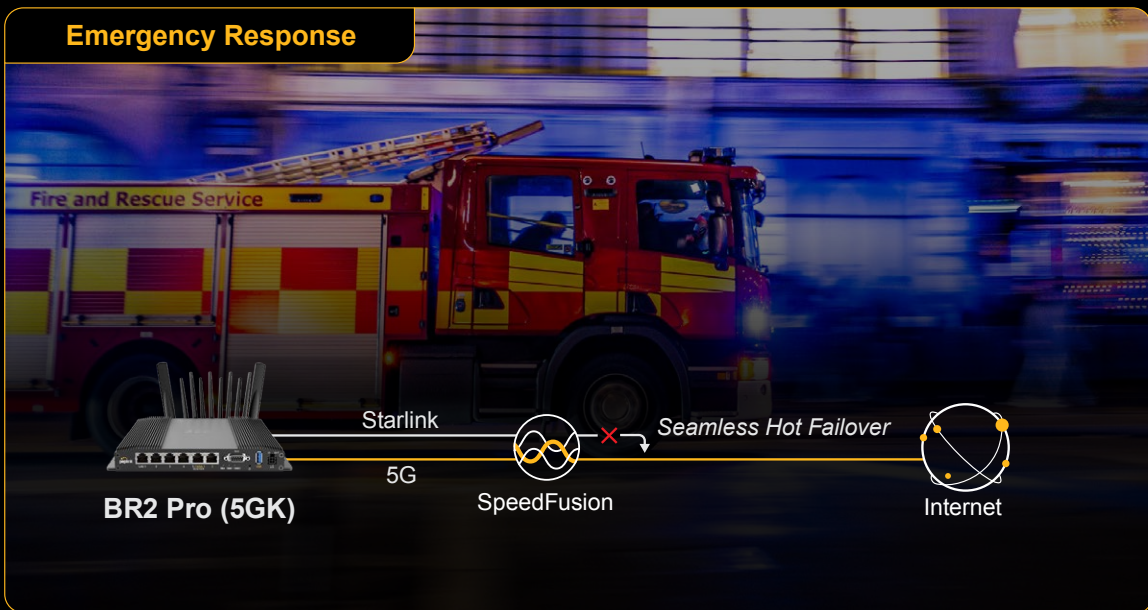
Physical SIMs 



Seamless Failover for Starlink, Fiber and FWA

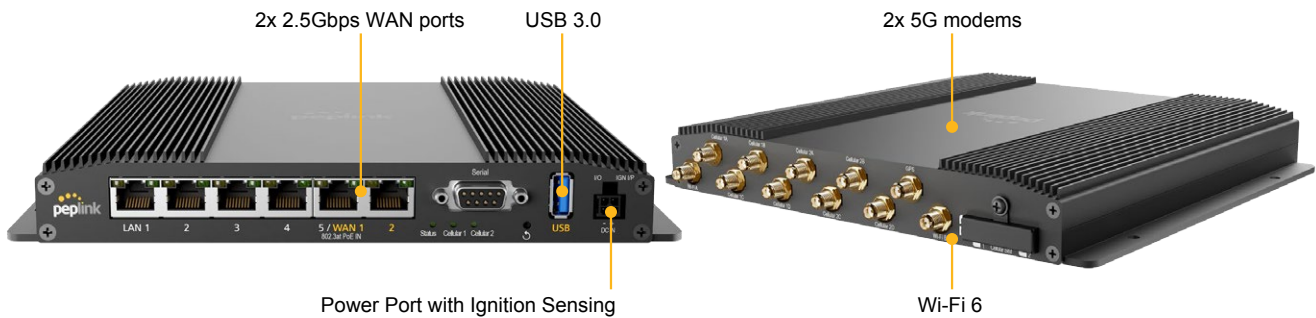
Seamlessly integrate 5G with Starlink, fiber, and fixed wireless access (FWA) through SpeedFusion to deliver uninterrupted connectivity. Stay reliably online, always.

Emergency Response



Retail





Specifications

- **WAN Interface**
2x 10/100/1000/2500M Ethernet ¹
2x 5G Modems with Redundant SIM Slots
1x USB 3.0 Interface
- **LAN Interface**
4x 10/100/1000M Ethernet
- **Wi-Fi Interface**
Simultaneous Dual-Band (2.4GHz / 5GHz)
Wi-Fi 6, 2X2 MU-MIMO
Wi-Fi WAN and/or AP
- **SpeedFusion features**
Hot Failover, WAN Smoothing,
Bandwidth Bonding
- **Number of SpeedFusion VPN Peers**
2 / 5 / 10 / 20 ²
- **Router Throughput**
1 Gbps
- **SpeedFusion VPN Throughput**
No Encryption: 400 Mbps
256-bit AES: 200 Mbps
- **Recommended Users**
1 - 150
- **AP Controller**
Standard
- **Maximum Number of AP Supported**
30 / 50 ³
- **Cellular Data Rate ⁴ (Downlink/Uplink)**
5G: 4.1 Gbps / 900 Mbps,
CAT-20: 2 Gbps / 211 Mbps
- **Edge Computing**
Docker (8GB Internal Storage)
- **Antenna Connector**
8x SMA Cellular Antenna 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
Passive PoE 48-56V
Power over Ethernet 802.3at ⁵
- **Power Consumption**
12W (nominal), 30W (max.)
- **Dimensions**
8.58 x 7.68 x 1.61 inches /
218 x 195 x 29.5 mm
- **Weight**
2.42 pounds / 1.1 kg
- **Operating Temperature**
-40°– 149°F / -40°– 65°C
- **Humidity**
15% – 95% (non-condensing)
- **Certifications**
FCC, CE, RoHS,
E-Mark (Motor Vehicle)
EN 61373 Shock and Vibration
Resistance
EN 50155 Railway Applications
Compatibility
EN 61000 Electromagnetic
Compatibility
MIL-STD-810H Method 514.8
- **Warranty**
1-Year Limited Warranty
- **Package Content**
1x BR2 Pro,
8x LTE/5G Antennas (ACW-235)
2x Dual Band Wi-Fi Antennas
(ACW-341)
1x GPS Antenna (ACW-232)
1x 12V3A 4-Pin Power Supply
(ACW-663)
- **SIM Options**
Nano-SIM (4FF)
Peplink eSIM
BYO eSIM (2 profiles per modem) ⁶
Remote SIM from SIM Injector ⁷
FusionSIM ⁷

1. The WAN port can act as a LAN port if needed.

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. Theoretical maximum data rates.

4. Available as a licence add-on (AP-LC-50).

5. 802.3at PoE port provide a power supply of 25W. If you require 30W of power budget (eg. using dual cellular WAN and USB WAN together), please empower the MAX BR2 Pro via the bundled power adapter (12V3A PSU, ACW-663), or the optional Passive PoE Injector Kit (ACW-111 + ACW-622).

6. Available with Firmware 8.4.0 or above.

7. RemoteSIM and FusionSIM compatible with hardware version 2 or above.



Ordering Information

Product Code	Regions	5G Bands	LTE Bands
MAX-BR2-PRO-5GK-T-PRM Embedded Modem(s): 2x 5G	Global <small>*US Carrier Certifications: AT&T, T-Mobile, Verizon (C-Band), FirstNet</small>	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-ons

Product Code	Description
PRM-E-1Y / PCP-E-1Y	PrimeCare E / PrimeCare+ E (1-Year)
PRM-E-2Y / PCP-E-2Y	PrimeCare E / PrimeCare+ E (2-Year)
PRM-E-4Y / PCP-E-4Y	PrimeCare E / PrimeCare+ E (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-111	PoE Adapter
ACW-622	PoE+ Activation Kit
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-MB-82G-S-W-6	Mobility 82G - 8x8 MIMO 5G Ready Cellular and Wi-Fi Antenna System with GPS (White)
MAX-BR1-ADV	IPsec X.509 Certificate License Key



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 Prioritisation

- SIP, HTTPS, VPN QoS
- Custom Application QoS

Edge Computing

Support for Applications and Docker

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 LAN and Wireless LAN clients
Support RADIUS Authentication
Time and Usage Quotas on Open Access Mode
Built-in Customisable 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.