



# Wanderer Package Tech Details

## Peplink BR1 Mini Router

WAN Interface	1x 10/100M Ethernet Port, 1x Embedded LTE Modem with Redundant SIM Slot
LAN Interface	1x 10/100M Ethernet Port
WiFi Interface	802.11b/g/n Wi-Fi WAN or AP (Available with add-on-license MAX-BR1-MINI-LC-FS)
Number of PepVPN SpeedFusion Peers	2/5 (2 PepVPN Peers are enabled by default, can be increased to 5 Peers using license PVN-LC-05)
Router Throughput	100 Mbps
Number of IPsec Tunnels	5
Recommended Users	60
Downlink/Uplink Data Rate	150Mbps/50Mbps (CAT 4) - 300Mbps/50Mbps (CAT 6)
Cellular and GPS Antenna Connector	2x SMA Antenna Connectors, 1x SMA GPS Antenna Connector, 1x Wi-Fi Connector
Power Input	DC Jack/Terminal Block: 12V-28V DC, Passive PoE Input (WAN Port, 12V-28V DC)
Power Consumption	1.8W (Nominal), 12W (max.)
Dimensions	4.6 x 4.2 x 1.4 inches, 117 x 107 x 35 mm
Weight	0.54 pound, 244 grams
Operating Temperatures	-40°-149°F, -40°-65°C
Humidity	-15% - 95% (non-condensing)
Certifications	FCC, CE, IC, RoHS, E-Mark, EN 61373: Shock and Vibration Resistance, EN 50155: Railway Applications-Electronic Equipment used on Rolling Stock, EN 61000: Electromagnetic Compatibility
Warranty	1-Year Limited Warranty

Package Content	MAX BR1 MINI, 12V2A Power Supply (ACW-601), 1x GPS Antenna (ACW-232), 1x Wi-Fi 2.4G Antenna (ACW-304), 2x LTE Antenna (ACW-813), 2pin Terminal Block Connector
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## Additional Details

**Constant Connectivity:** With the BR1 Mini, there is always a way to connect. Using a combination of cellular, Ethernet, and Wi-Fi provides users with constant access to the internet.

**Reliable Hotspot:** When working from roam, reliable connectivity is critical. The BR1 Mini provides seamless connectivity, no matter what WAN connection is used.

**Deploy Anywhere:** The BR1 Mini is designed to function where other routers cant. It's certified for vibration resistance and rolling stock, and accepts multiple power inputs and a wide voltage range. Finally it has an optional mount for Class 1 Div 2 support and can function in extreme heat and cold.

### Peplink Mobility 22G External Antenna

Antenna Elements	2x LTE/5G, 2x WiFi, 1x GPS
Cellular Frequencies	1.2dBi: 617-960MHz 5.7dBi: 1710-2700MHz 5.6dBi: 3400-4200MHz 6.0dBi: 5000-6000MHz
Cellular Bands	LTE bands B1 to B86 (except B31, B73, B87, B88) 5G bands n1 to n99
Wi-Fi Frequency Bands	4.8dBi: 2400-2500MHz 7.4dBi: 5000-6000MHz
GPS Frequency Bands	1.6dBi, LNA 28dB: 1561-1602MHz
IP Rating	IP68
Dimensions	Height: 1.42 inches/ 36mm Diameter: 5.12 inches/ 130mm
Coax Cable Type	CFD-200 (4G/5G, WiFi) RG-174 (GPS)
Connector Type	SMA Male (4G/5G, GPS) RP-SMA Male (Wi-Fi)

## **Description:**

The Peplink Mobility 22G is a 5 in 1 antenna built for mobile applications. It supports 2x2 cellular MIMO for high bandwidth and solid reliability, dual-band (2.4GHz & 5GHz) Wi-Fi and GPS. It is also 5G ready and supports a wide range of global cellular frequencies. The GPS receiver is equipped with high gain LNA, making it ideal for location tracking. The Mobility 22G has a solid housing made of UV stable plastic materials. Two color options are available (black and white) to fit different deployments. For easier installation, the antenna comes with different cable length options.

## **Features:**

- 5-in-1 cellular and Wi-Fi antenna system with GPS receiver
- 2x2 Cellular frequencies: 600-6000 MHz
- 2x2 Wi-Fi frequencies: 2400-2500 MHz & 5000-6000 MHz
- Durable and UV-stable housing
- Black or white color options
- IP68 rated