



B One 5G

5G Connectivity. Instant Reliability

Power up the **B One 5G** and get connected Instantly.

Bring Your
Own eSIM or physical SIM
 for 5G connectivity

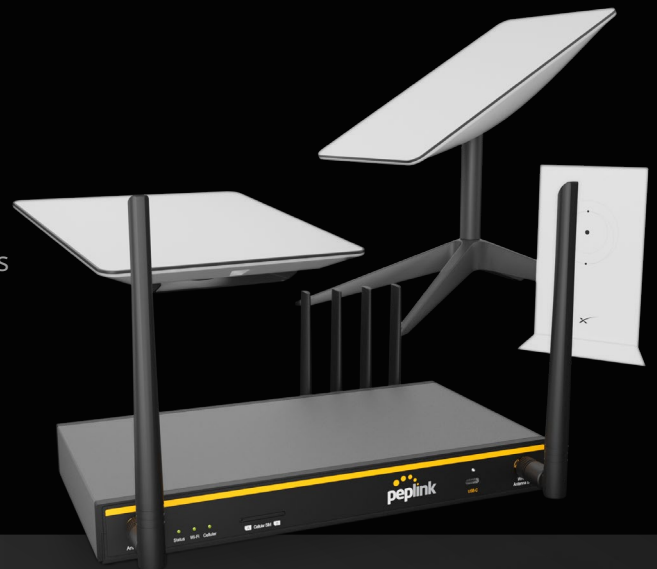


Add 5G to improve your Network Reliability

- Seamless failover internet services (Cable, Fiber) to 5G
- Unbreakable VoIP, Unbreakable Video calls

Easy Integration **5G with Starlink**

- Bond multiple Starlink connections together
- Load Balance your Starlink with other internet services (5G/LTE, Cable, Fiber, FWA)
- Optimize your network with additional features requested specifically by Starlink



Made for **Fixed Wireless Access (FWA) with 5G**

- Designed for use with MSP 5G/LTE Gateway devices
 - | Bond various FWA together (AT&T / T-Mobile / Verizon)
 - | Load Balance different internet sources (Cable, Fiber, 5G/LTE)
- Tether your phone with Wi-Fi WAN or USB





Long Term **Support**

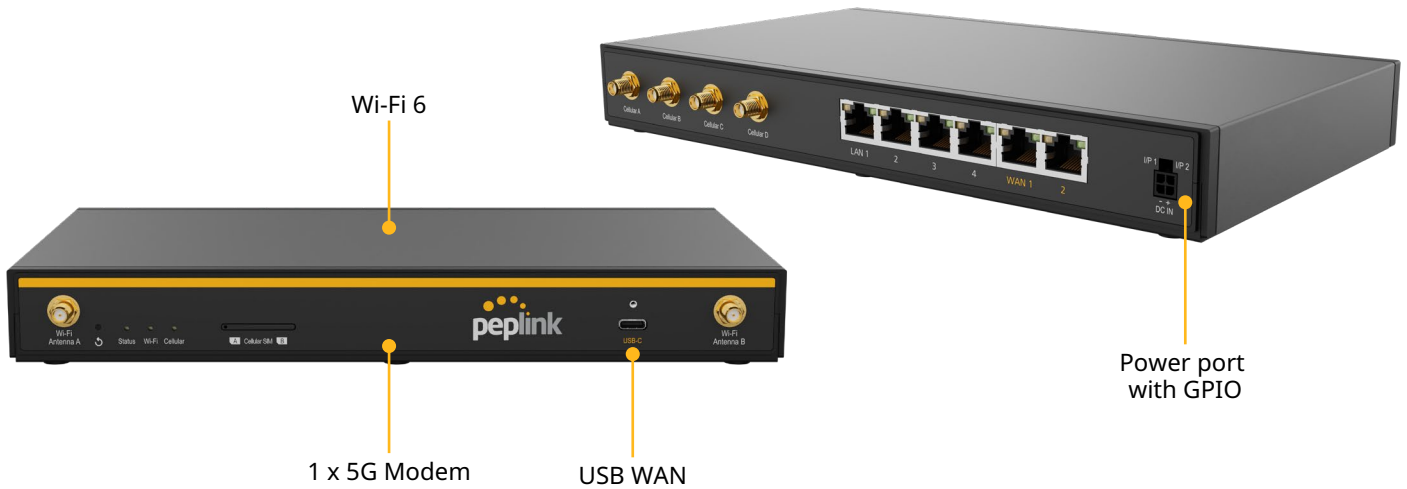
- Firmware is constantly updated to patch vulnerabilities and improve performance
- Futureproof your network as Peplink never ends support for older devices



A Game Changer with **SpeedFusion Connect**

- With a valid PrimeCare subscription, take advantage of all of SpeedFusion features without the need for an advanced network setup
- Easy to set up and use with our Companion App





Specifications

WAN Interface	2 x 10/100/1000M Ethernet 1 x Embedded Cellular Modem with a Redundant SIM Slot 1 x USB-C Interface	Antenna Connectors	4x SMA Cellular Connectors 2x RP-SMA Wi-Fi Antenna Connectors
LAN Interface	4x 10/100/1000M Ethernet	Power Input	Power Port: 10V – 30V DC AC Adapter: AC Input 100V–240V / DC Output 12V
Wi-Fi Interface	Simultaneous Dual-Band (2.4GHz / 5GHz) Wi-Fi 6, 2X2 MIMO Wi-Fi WAN and/or AP	Power Consumption	29W (max.)
SpeedFusion features	Hot Failover ¹ / Smoothing ¹ / Bandwidth Bonding ¹	Dimension	10.31 x 6.33 x 1.31 inches / 262 x 161 x 33.5 mm
Number of SpeedFusion VPN Peers	2 / 5 ¹	Weight	1.7 pounds / 756 grams
Router Throughput	1Gbps	Operating Temperature	- 40° – 113°F / - 40° – 45°C
SpeedFusion VPN Throughput - No Encryption - 256-bit AES	400 Mbps 200 Mbps	Humidity	10% – 90% (non-condensing)
Recommended Users	1-150	Certifications	FCC, CE, RoHS
AP Controller	Standard	Package Content	1x B One 5G 4x LTE/5G Antennas (ACW-235) 2x Dual Band Wi-Fi Antennas 1x 12V 3A 4 Pin Power Supply
Maximum Number of AP Supported	30 / 50 ²	SIM Options	Nano-SIM (4FF) Peplink eSIM BYO eSIM (2 profiles) ¹
Cellular Data Rate ³ (Downlink /Uplink)	5G: 3.4 Gbps / 900 Mbps CAT-20: 1.6 Gbps/ 200 Mbps	Warranty	1-Year Limited Warranty

¹ Requires a PrimeCare subscription, complimentary for the first year.

² Available with licence add-on (AP-LC-50)

³ Theoretical maximum data rates.

Specifications are subject to change without notice.

Ordering Information

Product Code	Regions	5G Bands	LTE Bands
B-ONE-5GN-T-PRM Embedded Modem(s): 1 x 5G	Global	5G (SA & NSA) 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

Featured Add-on

Product Code	Description
PRM-B-1Y / PCP-B-1Y	PrimeCare B / PrimeCare+ B (1-Year)
PRM-B-2Y / PCP-B-2Y	PrimeCare B / PrimeCare+ B (2-Year)
PRM-B-4Y / PCP-B-4Y	PrimeCare B / PrimeCare+ B (4-Year)