



Balance 310 5G

Rugged. Connected. Complete. Anywhere.



The Ultimate All-in-One Platform

Streamline your deployment by replacing five distinct devices with one compact solution. The Balance 310 5G consolidates **networking, switching, Wi-Fi, 5G connectivity, and edge computing** into a single rugged platform, minimizing deployment complexity and potential points of failure.



Global, Expandable Enterprise 5G

Featuring a global 5G modem with **Standalone (SA)** and **Non-Standalone (NSA)** support, the Balance 310 5G provides compatibility across carriers worldwide. In areas where 5G coverage is limited or unavailable, **it falls back to LTE to maintain cellular connectivity.**

Flexible SIM and eSIM support simplify global deployments. For **scalable cellular expansion**, simply **add the 5G Adapter or 5G Dongle** as needed.



Standalone (SA)



Non-Standalone (NSA)



LTE Fallback



Full Band Coverage

Balance 310 5G

5G Dongle
for Additional 5G

5G Adapter
for Additional 5G



Physical SIM



Peplink eSIM



Bring Your Own eSIM

Any WAN, Uninterrupted Operations

Unify diverse WAN technologies into a single, resilient network. The Balance 310 5G allows you to **bond, failover, or smooth traffic across multiple connections** to maximize uptime and application performance. **Maintain reliable connectivity for mission-critical operations even during link failures or degraded network conditions.**



Fiber
Broadband



Wi-Fi WAN

5G

Built-in

FWA

Fixed Wireless
Access



LEO Satellites



GEO Satellites

5G

FWA

Fiber

Starlink

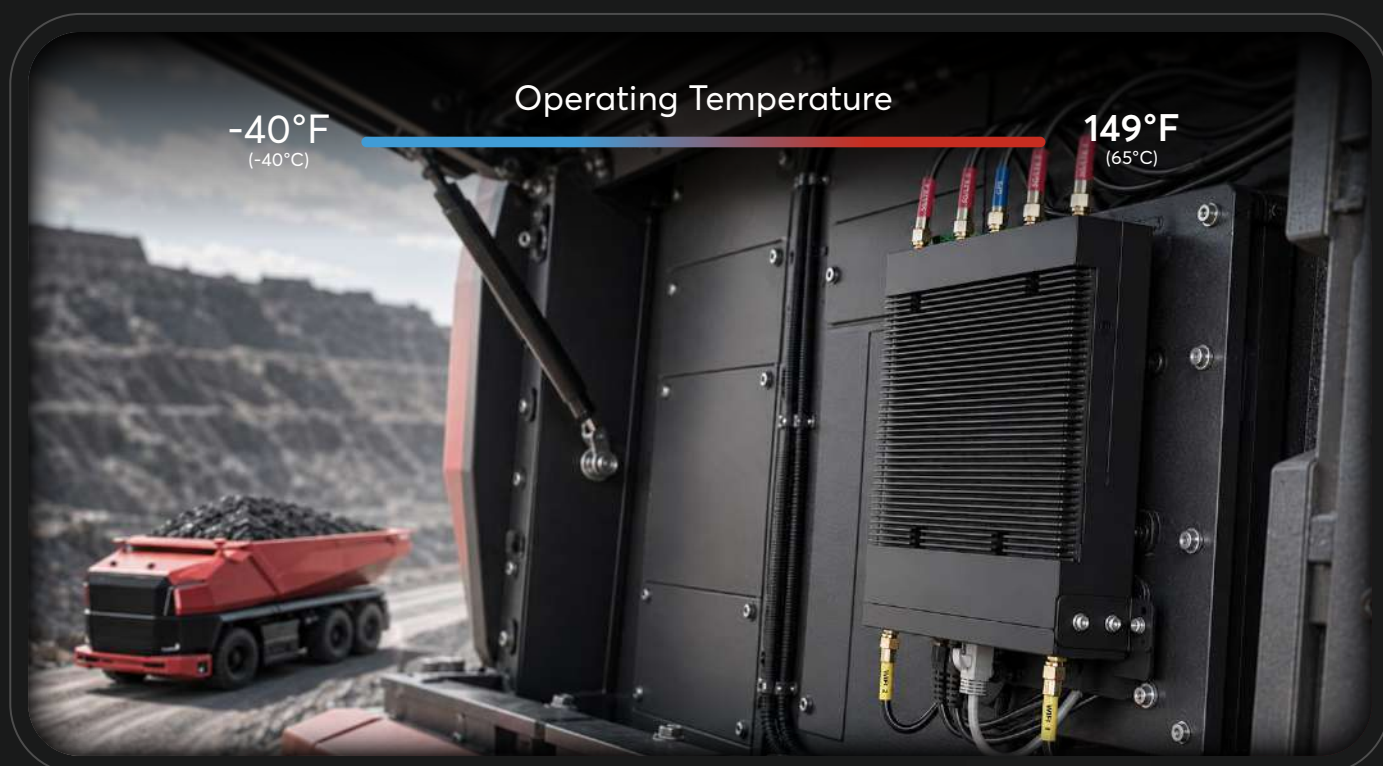
Bandwidth Bonding



Industrial-Grade Design & Operational Efficiency

A fanless chassis, wide operating temperature range (-40°F to 149°F / -40°C to 65°C), dual power inputs, and built-in GPS enable reliable deployment across fixed, mobile, and industrial environments.

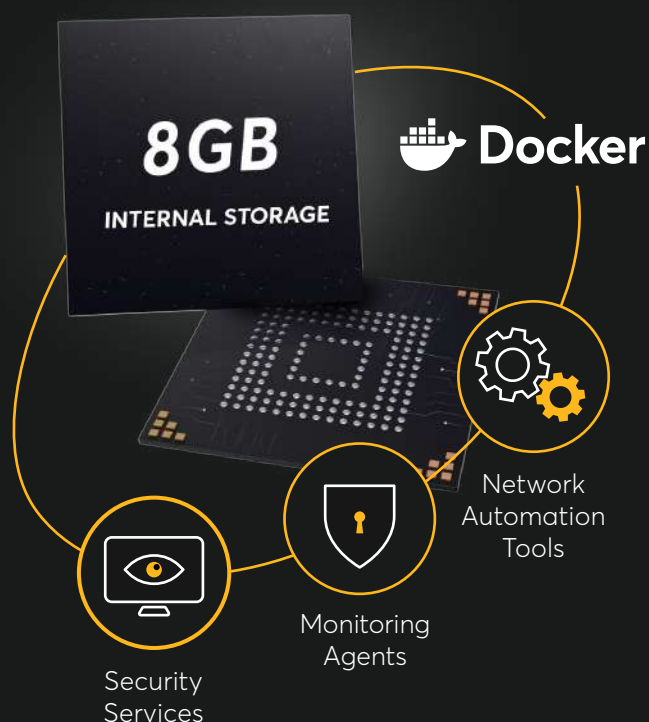
A single standardized hardware platform simplifies global logistics, reduces sparing requirements, and lowers long-term operational overhead.



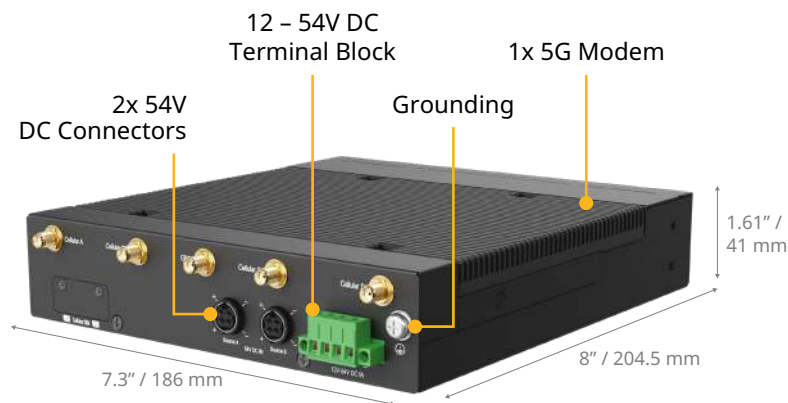
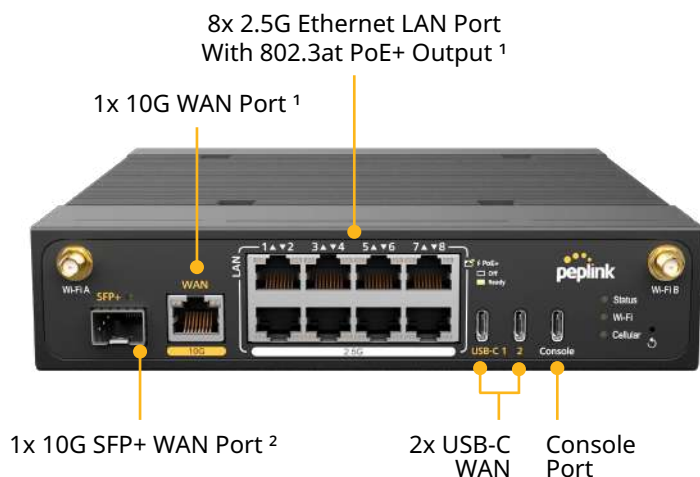
Edge Intelligence

Native **Docker** support and **8GB of internal storage** enable applications, including monitoring agents, security services, and network automation tools, to run directly on the router.

By hosting services at the edge, organizations can reduce reliance on dedicated on-site PCs or servers, minimizing infrastructure footprint while lowering power and maintenance requirements.



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Specifications

WAN Interface	1x 10G Multi-Gig Ethernet ¹ 1x 10G SFP+ ² 1x Embedded Cellular Modem with Redundant SIM Slots 2x USB-C Interface	Antenna Connectors	4x SMA Cellular Antenna Connectors 2x RP-SMA Wi-Fi Antenna Connectors 1x SMA GPS Antenna Connector
LAN Interface	8x 2.5G Multi-Gig Ethernet ¹	Power Input	2x Power DIN: 54V DC AC Adapter: AC Input 100V – 240V / DC Output 54V Terminal Block: 12V – 54V DC
Wi-Fi Interface	Simultaneous Dual-Band (2.4GHz / 5GHz) Wi-Fi 7 2x2 MIMO Wi-Fi WAN and/or AP	Power Output	Up to 8x 802.3at PoE+ ⁶
Router Throughput	4Gbps	Power Consumption	27W (nominal) / 54W (max. without PoE and USB-C Output)
SpeedFusion VPN Throughput		Total PoE Power Budget	240W
- No Encryption	1Gbps	Dimensions	7.3 x 8 x 1.61 inches / 186 x 204.5 x 41 mm
- 256-bit AES	1Gbps	Weight	3.41 pounds / 1.55 kg
Recommended Users	50 – 500	Operating Temperature	-40° – 149° F / -40° – 65° C
SpeedFusion VPN Peers	2 / 30 ³	Humidity	15% – 95% (non-condensing)
SpeedFusion Features	Hot Failover, Smoothing, Bandwidth Bonding	Certifications	FCC, CE, RoHS
Maximum Number of Controlled AP / Switch	30 / 50 ⁴	Package Content	1x Balance 310 5G 1x 54V DC, 5.19A Power Supply 4x LTE/5G Antennas 2x Wi-Fi Dual Band Antennas 1x GPS Active Antenna 1x Ear Rack Mount Kit with screws 1x Rubber Foot Pad Set
AP & Switch Controller	Standard	SIM Options	Nano-SIM (4FF) Peplink eSIM BYO eSIM (2 profiles) Remote SIM from SIM Injector FusionSIM
Cellular Data Rate ⁵ (Downlink / Uplink)	5G: 4.1Gbps / 900Mbps CAT-20: 2Gbps / 211Mbps	Warranty	1-Year Limited Warranty
Edge Computing	Docker (8GB Internal Storage / External Storage via USB Port)		

¹ 10G ports are backward compatible with 5G, 2.5G, GE, and FE; 2.5G ports are backward compatible with GE and FE.

² The SFP+ port can be configured for WAN or LAN via the Web Admin.

³ Requires a PrimeCare subscription, complimentary for the first year.

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

⁵ Maximum theoretical data rates.

⁶ A DC input voltage of 50V – 54V is required to enable PoE output.

Ordering Information

Product Code	Regions	5G Bands	LTE Bands
BPL-310-5GK-T-PRM Embedded Modern(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, 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-G-1Y / PCP-G-1Y	PrimeCare G / PrimeCare+ G (1-Year)
PRM-G-2Y / PCP-G-2Y	PrimeCare G / PrimeCare+ G (2-Year)
PRM-G-4Y / PCP-G-4Y	PrimeCare G / PrimeCare+ G (4-Year)
ANT-MB-42G-S-B-6	Mobility 42G - 4x4 MIMO 5G Ready Cellular and Wi-Fi 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)