



# Balance 310 5G

Rugged. Connected. Complete. Anywhere.



## The Ultimate All-in-One Platform

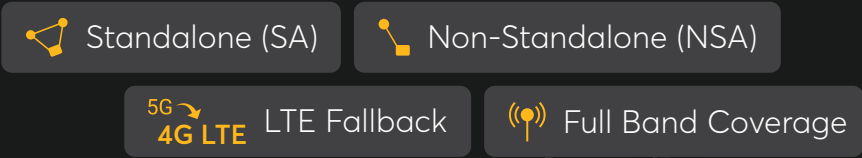
Streamline your deployment by replacing five distinct devices with one compact solution. The Balance 310 5G consolidates **networking, switching, Wi-Fi, 5G connectivity, and edge computing** into a single rugged platform, minimizing deployment complexity and potential points of failure.

- 4 Gbps**  
Routing
- Gigabit**  
SPEEDFUSION
- 10G**  
Ethernet  
& Fiber
- 8x**  
**240W**  
PoE+
- WiFi 7**
- 5G**
- Docker**  
**8GB Storage**

# 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.



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

Built-in

Fixed Wireless Access

LEO Satellites

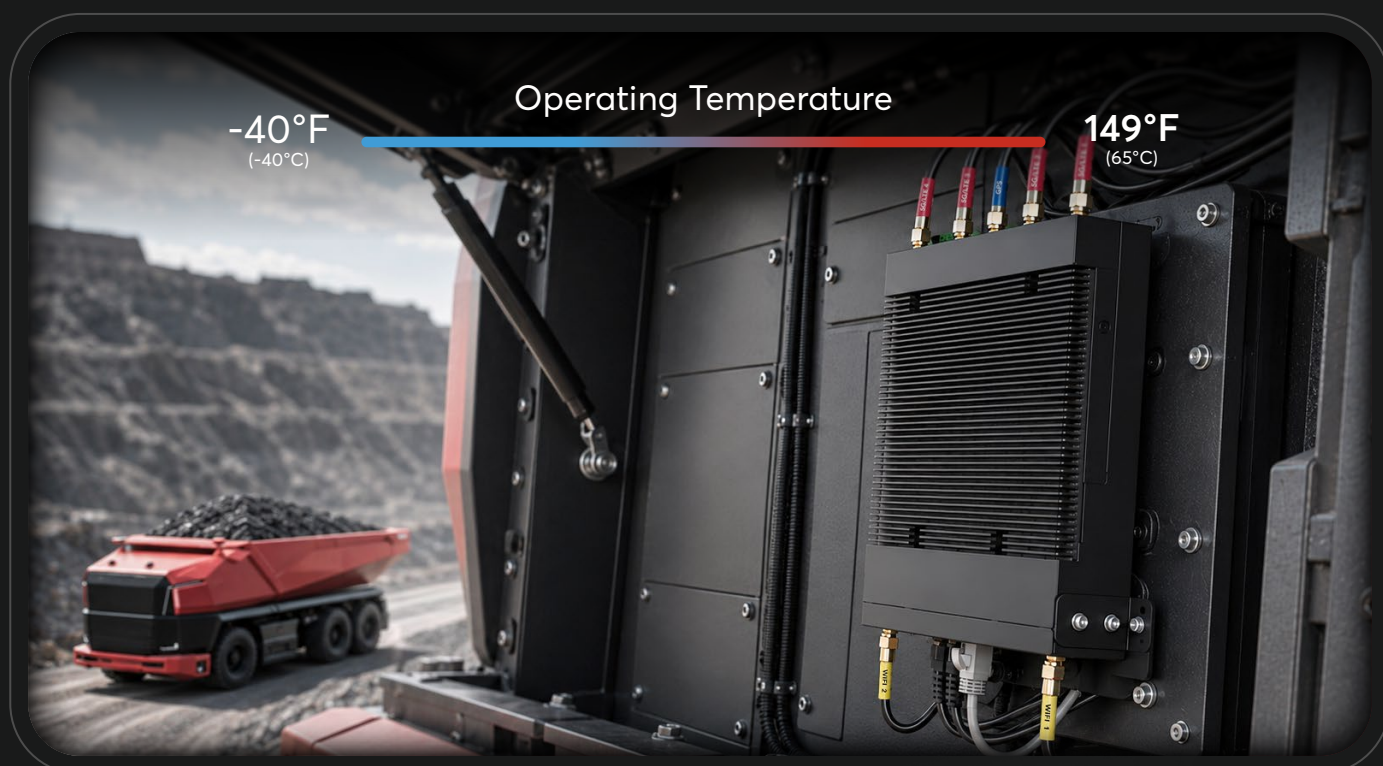
GEO Satellites



# 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.

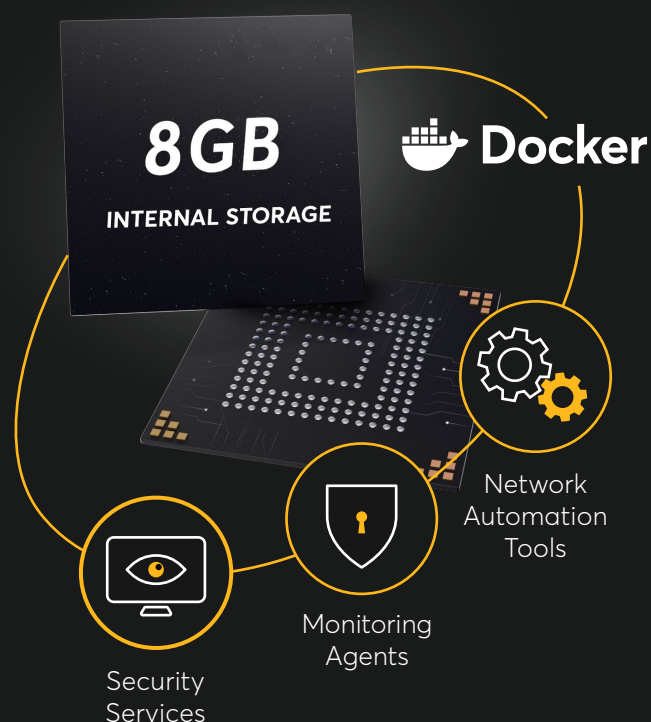
A single standardized hardware platform simplifies global logistics, reduces sparing requirements, and lowers long-term operational overhead.



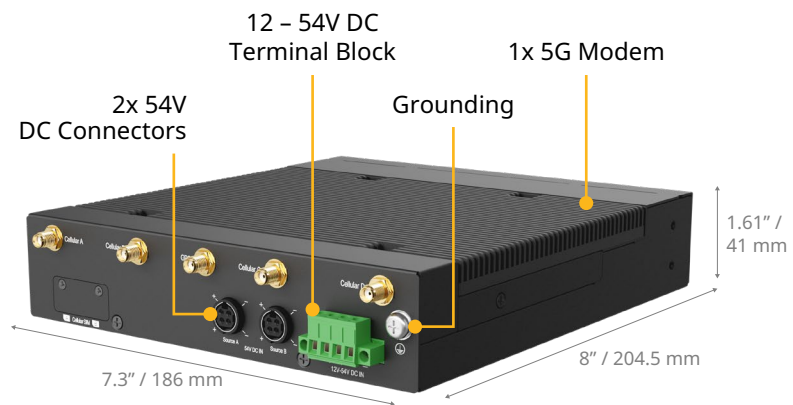
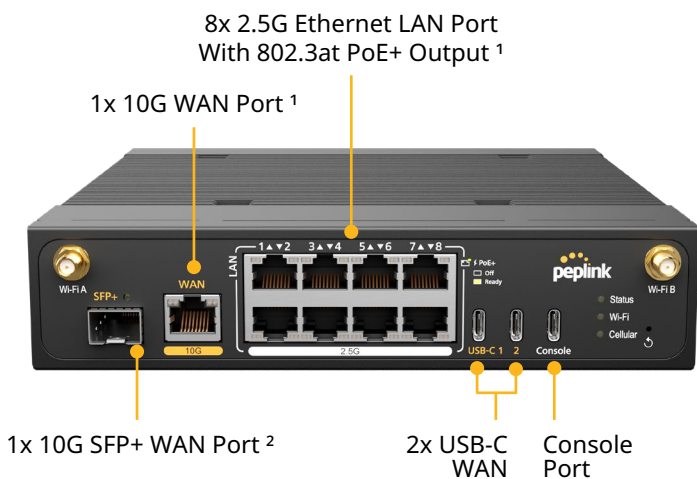
## Edge Intelligence

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.



# Balance 310 5G



## Specifications

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

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

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

<sup>3</sup> Requires a PrimeCare subscription, complimentary for the first year.

<sup>4</sup> Available as a license add-on (AP-LC-50).

<sup>5</sup> Maximum theoretical data rates.

<sup>6</sup> 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 Modem(s): 1x 5G	Global*  *US Carrier Certifications : AT&T, T-Mobile, Verizon, FirstNet	<b>5G (NSA &amp; SA) Sub 6Ghz:</b> 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)