



# Balance 310 5G

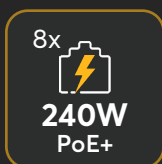
Rugged. Connected. Complete. Anywhere.



## An All-in-One Solution for Unbreakable Enterprise Branch Networks

Combine high-speed, resilient connectivity with the power of an entire branch infrastructure in a single chassis. The Balance 310 5G is purpose-built for enterprises where downtime isn't an option.

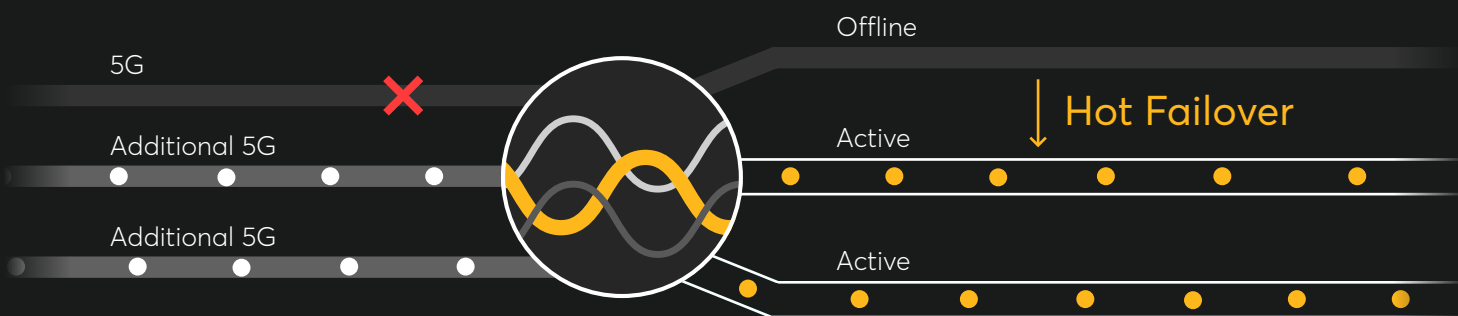
Built-in 5G failover ensures business continuity, while a consolidated platform translates to faster deployments and zero vendor complexity. With redundant WAN paths and dual power inputs, you eliminate single points of failure across your connectivity and power.



# Global, Expandable, and Reliable Enterprise 5G

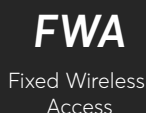
Featuring a global 5G modem with flexible SIM support, the Balance 310 5G provides compatibility across carriers worldwide and enables streamlined global deployments.

For scalable cellular expansion, simply add the 5G Adapter or 5G Dongle as needed. Hot Failover ensures seamless backup across all 5G connections, preventing any disruption to your business operations.



## 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.



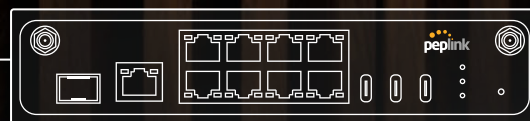
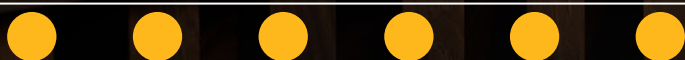
# Centralized Branch Power and Connectivity

Simplify your branch setup by **powering critical peripherals directly from the router**. With **eight PoE+ LAN ports**, the Balance 310 5G drives local devices, such as IP cameras and access points, **without separate power supplies or external switches**.

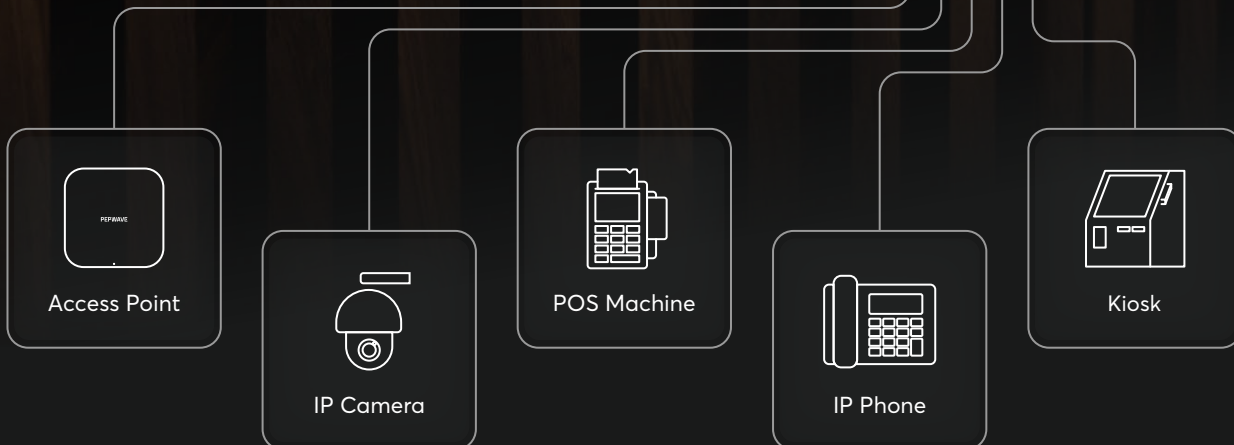
This unified setup maximizes space efficiency, eliminates cable clutter, and streamlines local network management.



## Robust Connectivity



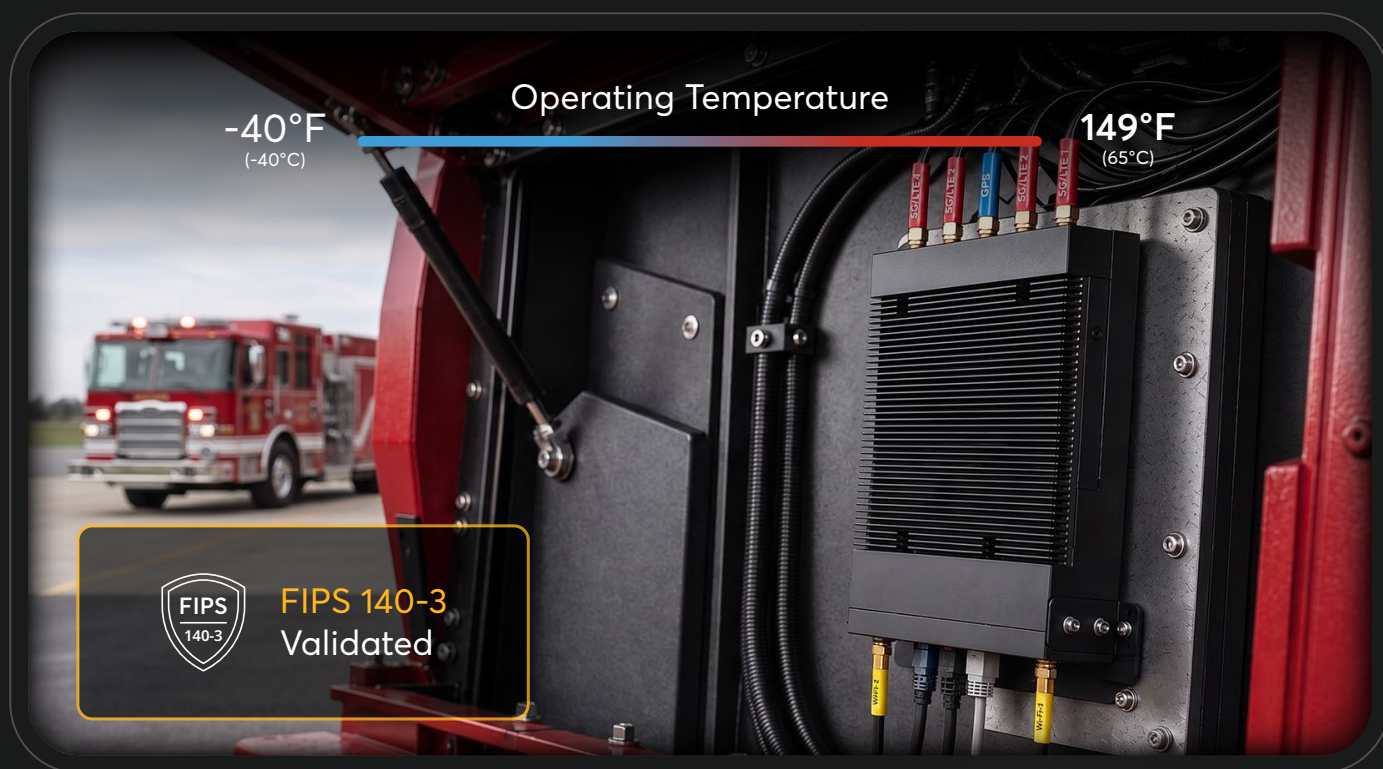
PoE+ Output



# Industrial-Grade Design and 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.

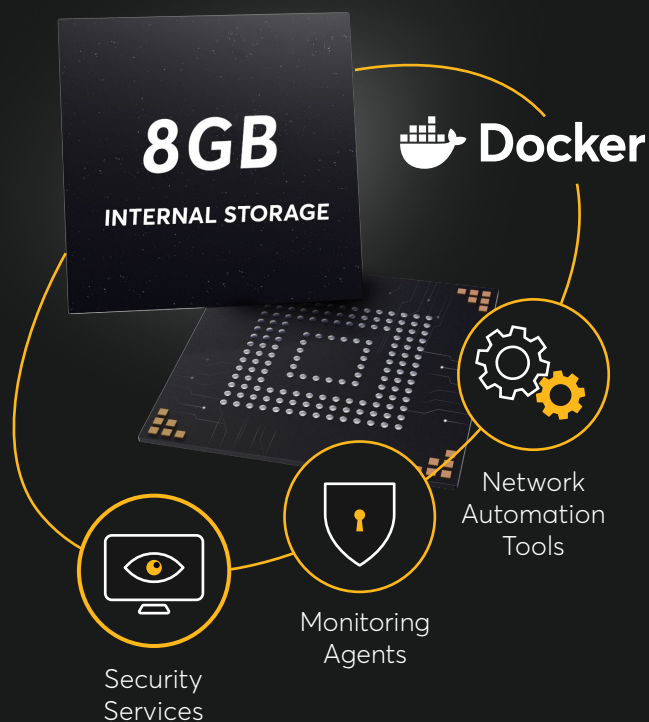
A single standardized hardware platform simplifies global logistics, reduces sparing requirements, and lowers long-term operational overhead.



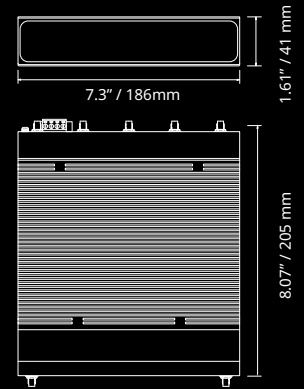
## Edge Intelligence

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



- 1 2x Wi-Fi Connectors
- 2 4x Cellular Connectors
- 3 10G SFP+ WAN Port <sup>2</sup>
- 4 10G WAN Port <sup>1</sup>
- 5 8x 2.5G Ethernet LAN Port With 802.3at PoE+ Output <sup>1</sup>
- 6 2x USB-C WAN
- 7 Console Port
- 8 GPS Connector
- 9 2x 54V DC Connectors
- 10 12 – 54V DC Terminal Block

## Interfaces & Connectivity

### WAN Interface

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

### Wi-Fi Interface

Simultaneous Dual-Band (2.4GHz / 5GHz)  
 Wi-Fi 7 2x2 MIMO  
 Wi-Fi WAN and/or AP

### LAN Interface

8x 2.5G Multi-Gig Ethernet <sup>1</sup>

### Antenna Connectors

4x SMA Cellular Antenna Connectors  
 2x RP-SMA Wi-Fi Antenna Connectors  
 1x SMA GPS Antenna Connector

### SIM Options

Nano-SIM (4FF)  
 Peplink eSIM  
 BYO eSIM (2 profiles)  
 Remote SIM from SIM Injector  
 FusionSIM

## Performance, Capacity & Edge Compute

### Router Throughput

4 Gbps

### Edge Computing

Docker (8GB Internal Storage / External Storage via USB Port)

### Recommended Users

50 – 500

### AP & Switch Controller

Standard (max. 30 / 50 <sup>4</sup>)

### Cellular Data Rate <sup>5</sup> (Downlink / Uplink)

5G: 4.1Gbps / 900Mbps  
 CAT-20: 2Gbps / 211Mbps

## Power Specifications

### Power Consumption

27W (nominal) /  
 54W (max. without PoE and USB-C Output)

### Power Output

Up to 8x 802.3at PoE+ <sup>6</sup>

### Power Input

2x Power DIN: 54V DC  
 AC Adapter: AC Input 100V – 240V / DC Output 54V  
 Terminal Block: 12V – 54V DC

### Total PoE Power Budget

240W

## SpeedFusion™

### VPN Throughput

No Encryption - 1 Gbps  
 256-bit AES - 1 Gbps

### VPN Peers

2 / 30 <sup>3</sup>

### Technologies

Hot Failover, Smoothing, Bandwidth Bonding.

## Compliance, Package & Warranty

### Certifications

FCC, CE, RoHS

### Warranty

1-Year Limited Warranty

### 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 Rack Mount Ear Kit with screws  
 1x Rubber Foot Pad Set

## Physical & Environmental

### Dimensions

7.3 x 8.07 x 1.61 inches /  
 186 x 205 x 41 mm

### Operating Temperature

-40° – 149°F / -40° – 65°C

### Weight

3.41 pounds / 1.55 kg

### Humidity

15% – 95% (non-condensing)

<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: <b>AT&amp;T, T-Mobile, Verizon, FirstNet</b>	<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-ons

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)