# Balance 310 5G

Rugged. Connected. Complete. Anywhere.

TAA COMPLIANT

FIPS 140-3

## 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.

- Gigabit SPEEDFUSION
- 10G Ethernet & Fiber
- 8x 240W PoE+
- Wi-Fi 7
- 5G
- Docker 8GB Storage

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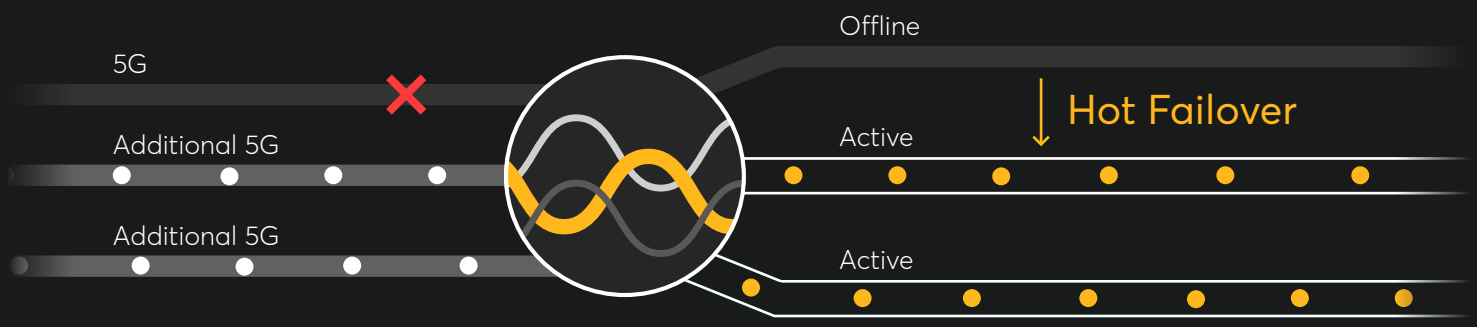
# Global, Expandable, and Reliable Enterprise 5G

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

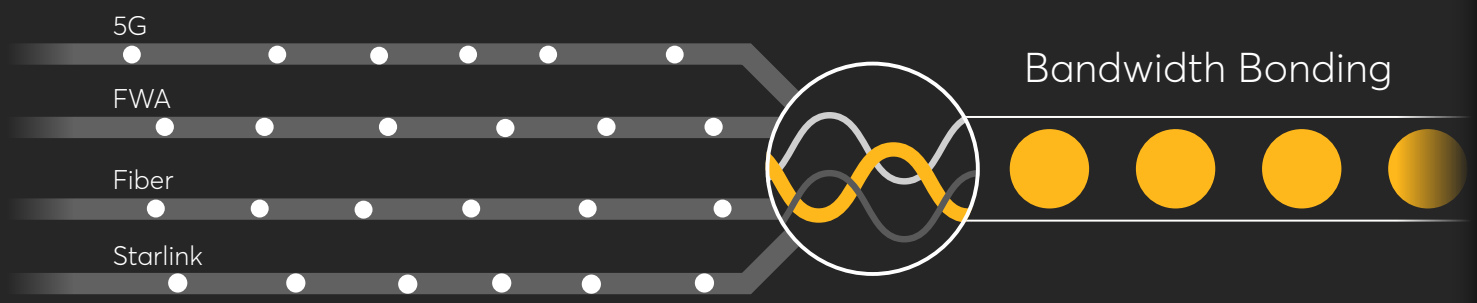
**For scalable cellular expansion, simply add the 5G Adapter or 5G Dongle as needed.** Hot Failover ensures seamless backup across all 5G connections, preventing any disruption to your business operations.




# 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**.

Fiber Broadband | Wi-Fi WAN | Built-in | Fixed Wireless Access | LEO Satellites | GEO Satellites

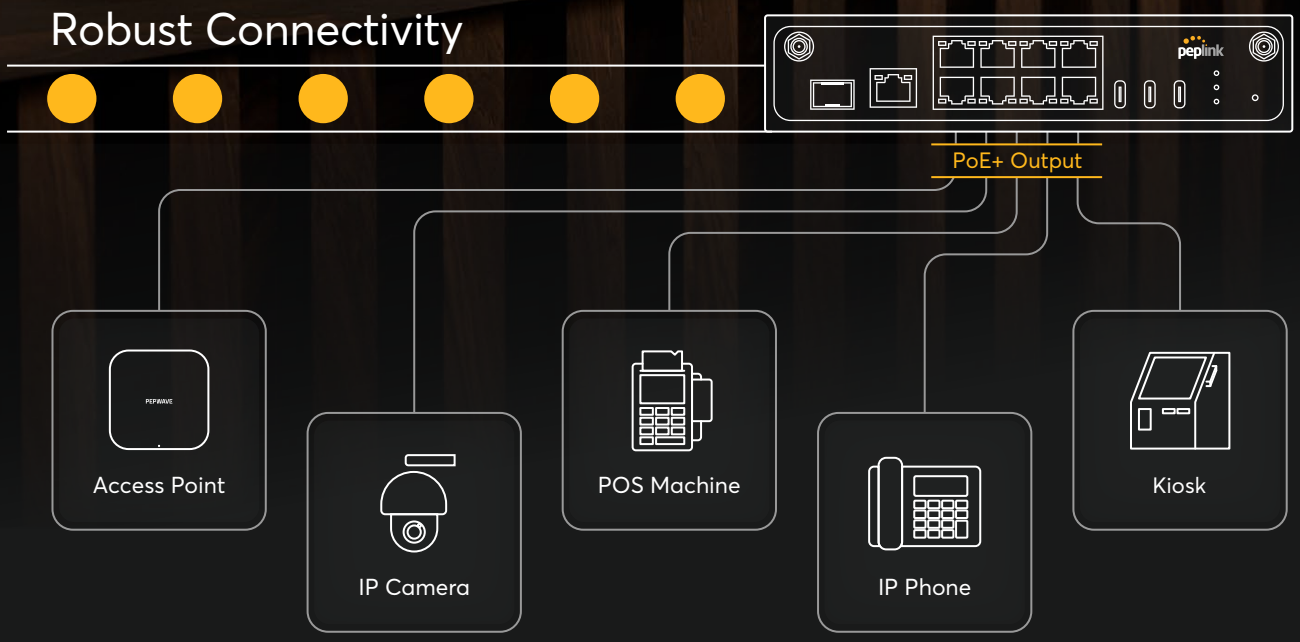


# Centralized Branch Power and Connectivity

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.

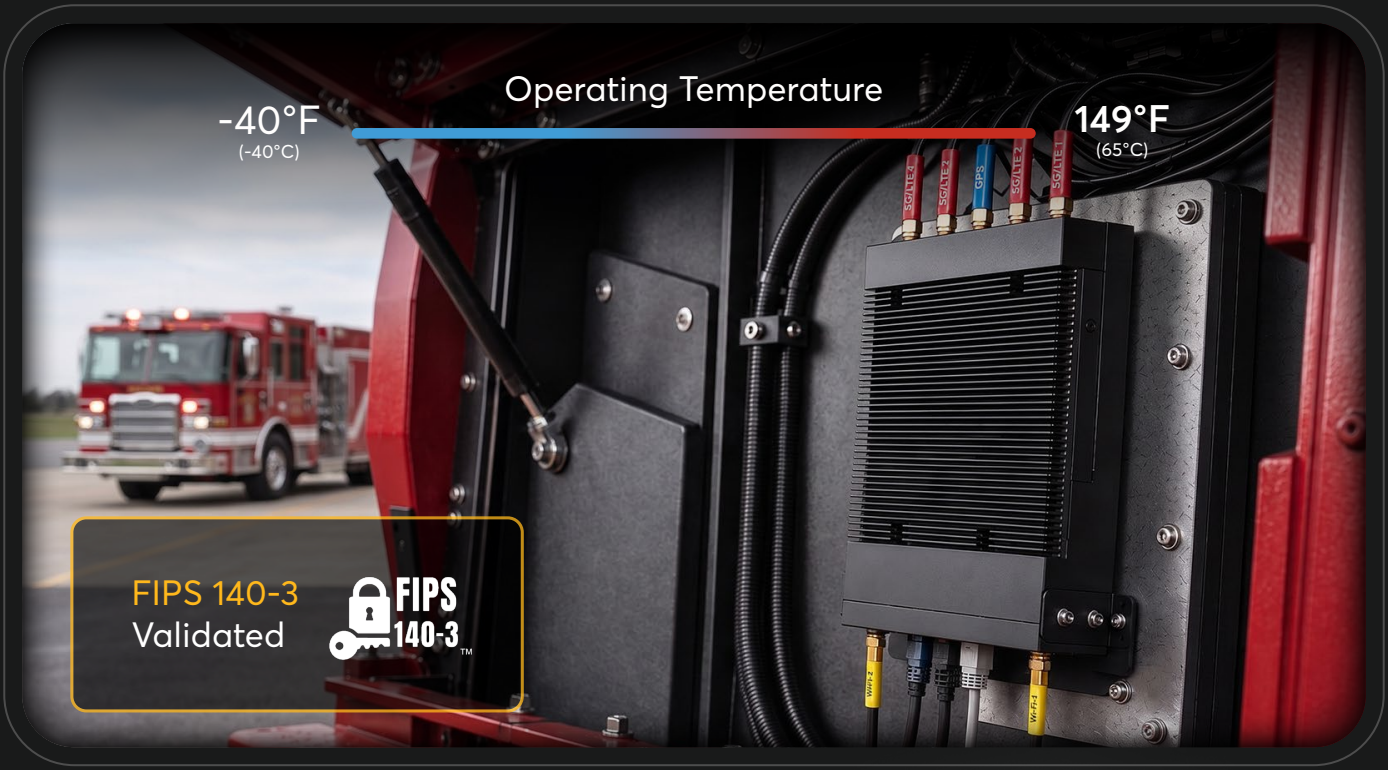
## Robust Connectivity



# 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.

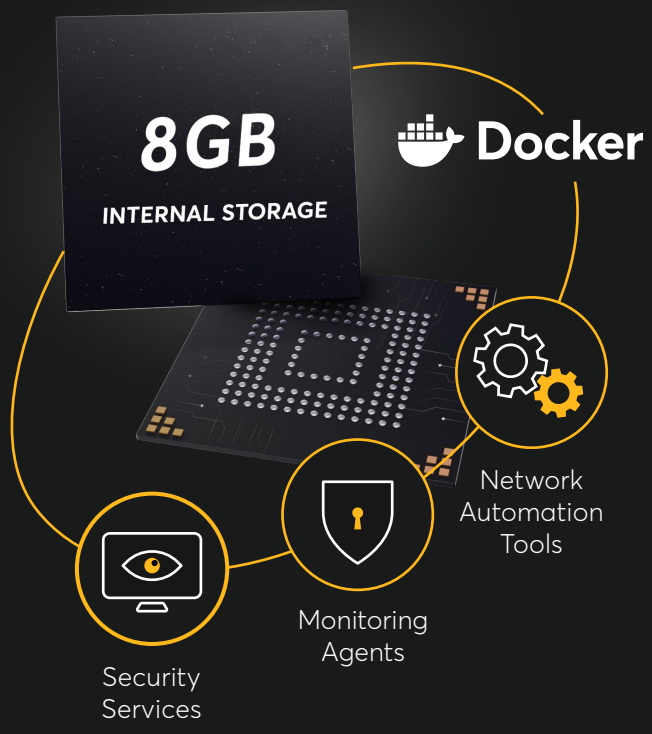
A single standardized hardware platform simplifies global logistics, reduces sparing requirements, and lowers long-term operational overhead.




## 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

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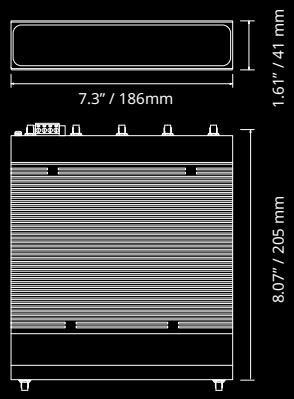


1. 2x Wi-Fi Connectors
2. 4x Cellular Connectors
3. 10G SFP+ WAN Port [2]
4. 10G WAN Port [1]
5. 8x 2.5G Ethernet LAN Port With 802.3at PoE+ Output [1]
6. 2x USB-C WAN
7. Console Port
8. GPS Connector
9. 2x 54V DC Connectors
10. 12 – 54V DC Terminal Block

## Interfaces & Connectivity

### WAN Interface

1x 10G Multi-Gig Ethernet [1]
1x 10G SFP+ [2]
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 [1]

### 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

## Power Specifications

### Power Consumption

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

### Power Output

Up to 8x 802.3at PoE+ [6]

### 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

## 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)

## 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 [4])

### Cellular Data Rate [5] (Downlink / Uplink)

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

## SpeedFusion™

### VPN Throughput

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

### VPN Peers

2 / 30 / 50 [3]

### 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 (ACW-678)
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

[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] 2 SpeedFusion VPN Peers are enabled by default. 30 SpeedFusion VPN Peers are enabled with a PrimeCare Subscription and are complimentary for the first year. 50 SpeedFusion VPN Peers can be enabled with a software license (SFN-LC-50).
[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.

Specifications are subject to change without notice.

# Balance 310 5G

## Ordering Information

| Product Code | Regions | 5G Bands | LTE Bands |
|---|---|---|---|
| BPL-310-5GK-T-PRM<br>Embedded Modem(s):<br>**1x 5G** | Global*<br>*US Carrier Certifications:<br>**AT&T, T-Mobile, Verizon, FirstNet** | **5G (NSA & SA) Sub 6GHz:**<br>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) |
| ACW-678 | 54V DC, 5.19A Power Supply |