



PRODUCT DATASHEET

Balance 310 5G



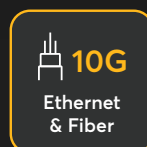
Balance 310 5G

Rugged. Connected. Complete. Anywhere.

TAA
COMPLIANT

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, minimising deployment complexity and potential points of failure.





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Global, Expandable Enterprise 5G

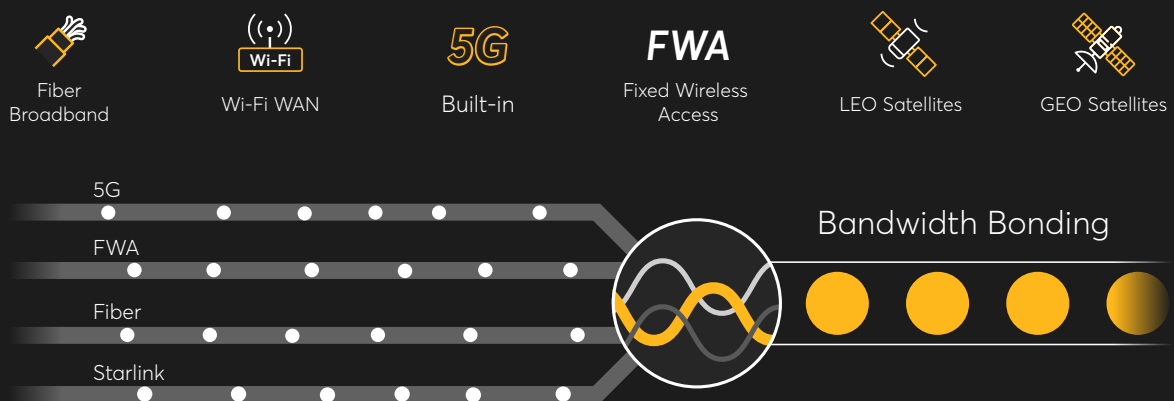
Featuring a global 5G modem with **Standalone (SA)** and **Non-Standalone (NSA)** support, the Balance 310 5G provides compatibility across carriers worldwide. In areas where 5G coverage is limited or unavailable, it falls back to LTE to maintain cellular connectivity.

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)
- 5G → 4G LTE LTE Fallback
- Full Band Coverage
- Physical SIM
- Peplink eSIM
- Bring Your Own eSIM
- 5G Adapter for Additional 5G
- 5G Dongle for Additional 5G

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 maximise uptime and application performance. **Maintain reliable connectivity for mission-critical operations even during link failures or degraded network conditions.**





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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.

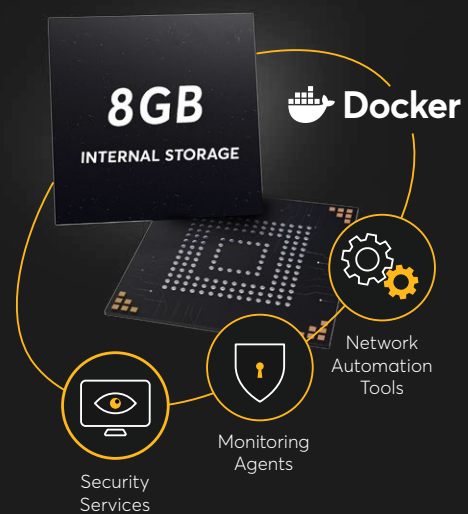
A single standardised hardware platform simplifies global logistics, reduces sparing requirements, and lowers long-term operational overhead.



Edge Intelligence

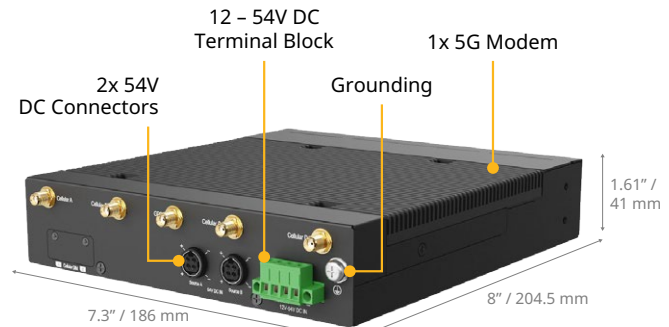
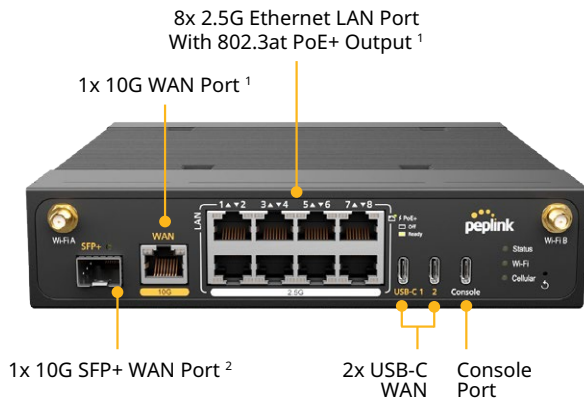
Native **Docker** support and **8GB of internal storage** enable applications, including monitoring agents, security services, and network automation tools, to run directly on the router.

By hosting services at the edge, organisations can reduce reliance on dedicated on-site PCs or servers, minimising 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
- LAN Interface**
 - 8x 2.5G Multi-Gig Ethernet ¹
- Wi-Fi Interface**
 - Simultaneous Dual-Band (2.4GHz / 5GHz)
 - Wi-Fi 7 2x2 MIMO
 - Wi-Fi WAN and/or AP
- Router Throughput**
 - 4 Gbps
- SpeedFusion VPN Throughput**
 - No Encryption: 1 Gbps
 - 256-bit AES: 1 Gbps
- Recommended Users**
 - 50 - 500
- SpeedFusion VPN Peers**
 - 2 / 30 ³
- SpeedFusion features**
 - Hot Failover, Smoothing, Bandwidth Bonding
- AP & Switch Controller**
 - Standard
- Maximum Number of Controlled AP / Switch**
 - 30 / 50 ⁴
- Cellular Data Rate ⁵ (Downlink/Uplink)**
 - 5G: 4.1 Gbps / 900 Mbps,
 - CAT-20: 2 Gbps / 211 Mbps
- Edge Computing**
 - Docker (8GB Internal Storage) / External Storage via USB Port)
- Antenna Connector**
 - 4x SMA Cellular Antenna Connectors
 - 2x RP-SMA Wi-Fi Antenna Connectors
 - 1x SMA GPS Antenna Connector
- Power Input**
 - 2x Power DIN: 54V DC
 - AC Adapter: AC Input 100V – 240V / DC Output 54V
 - Terminal Block: 12V – 54V DC
- Power Output**
 - Up to 8x 802.3at PoE+ ⁶
- Power Consumption**
 - 27W (nominal) /
 - 54W (max. without PoE & USB-C Output)
- Total PoE Power Budget**
 - 240W
- Dimensions**
 - 186 x 204.5 x 41 mm
- Weight**
 - 1.55 kg
- Operating Temperature**
 - 40° – 65°C
- Humidity**
 - 15% – 95% (non-condensing)
- 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 Ear Rack Mount Kit with screws
 - 1x Rubber Foot Pad Set
- SIM Options**
 - Nano-SIM (4FF)
 - Peplink eSIM
 - BYO eSIM (2 profiles)
 - Remote SIM from SIM Injector
 - FusionSIM

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.



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Ordering Information

Product Code	Regions	5G Bands	LTE Bands
BPL-310-5GK-T-PRM	Global*	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
Embedded Modem(s): 1x 5G	*US Carrier Certifications: AT&T, T-Mobile, Verizon, FirstNet		

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)