



Balance 310

Affordable. Fanless. Fast.

TAA
COMPLIANT

Dual-WAN, Reliable Routing Performance

Equipped with dual 2.5G Ethernet WAN ports, the router supports high-speed internet services and provides the headroom to deliver 4Gbps of routing performance, offering reliable performance at an accessible price point.

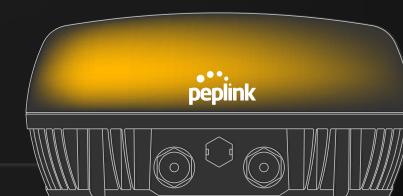


Gigabit SpeedFusion Throughput

Elevated SpeedFusion throughput guarantees superior bonding performance, unlocking the bandwidth needed for high-demand applications.



Antenna MAX



Video Editing

Broadband |

| 5G

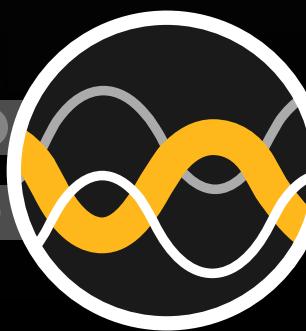
| SPEEDFUSION |

5G

Broadband

Broadband + 5G

Bonded Bandwidth



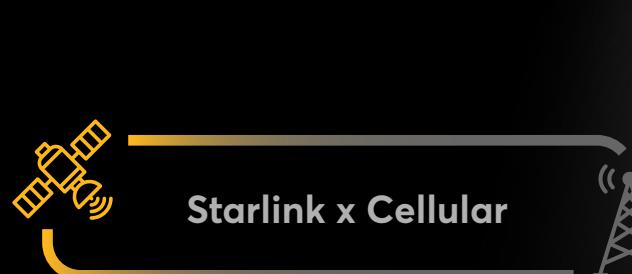
Fast, Flexible Networks with 5G and Starlink

The Balance 310 can easily power and connect a 5G Dome or Antenna MAX via its built-in PoE+ WAN port, while adding Starlink as a high-speed WAN connection. By combining both, it creates a reliable, flexible business network that's quick to deploy and easy to manage.



Add **Starlink** as a high-speed WAN connection

Add **5G** through **Peplink HD1 Dome Pro**



Configurable WAN Priority with Seamless Failover

Data Transfer and **802.3at PoE+ Output**



Optimized for AV

10G LAN ports enable real-time transfers of large project files, RAW assets, and high-definition audio and video streams between NAS devices and workstations, ensuring a stutter-free experience for professional media teams.



Performance-Ready for IT

High-speed ports deliver fast, stable transfers between servers, virtual machines, and enterprise workloads, ensuring smooth and responsive IT operations.



High Performance in Flexible Environments



Fanless design ensures quiet, durable operation. Combined with ignition sensing, it supports high-performance deployment in versatile environments, including vehicles such as RVs.



Wiring Diagram

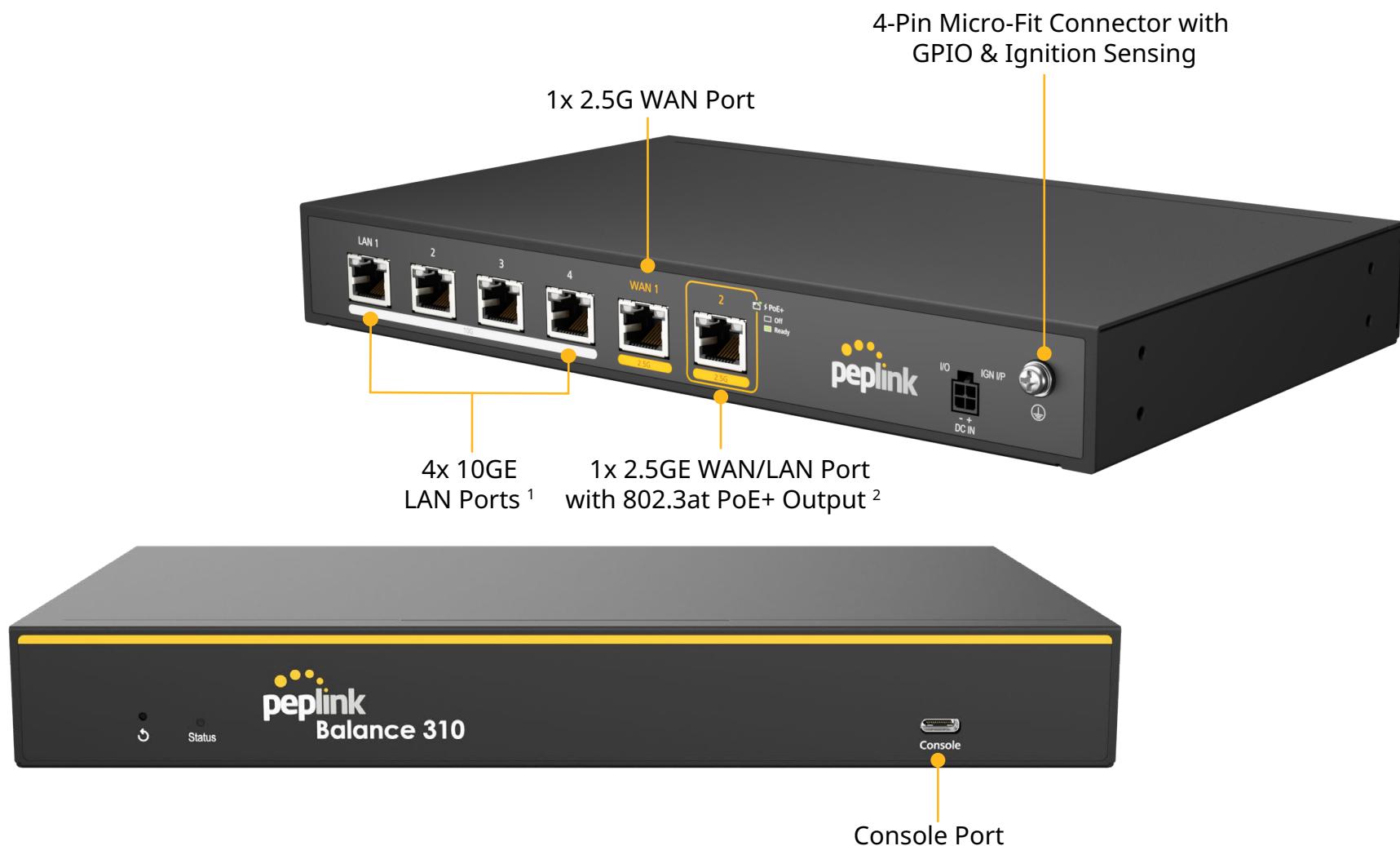


Ignition



Grounding

Balance 310



Specifications

| | | | |
|---|---|-------------------------------|--|
| WAN Interface | 2x 2.5G Multi-Gig Ethernet | Edge Computing | Docker (8GB Internal Storage) |
| LAN Interface | 4x 10G Multi-Gig Ethernet ¹ 1x 2.5G Multi-Gig Ethernet ² | Remote User Access | Yes |
| Router Throughput | 4Gbps | Power Input | AC Adapter: AC Input 100V - 240V / DC Output 54V 4-Pin Micro-Fit Connector: 12V - 56V DC |
| SpeedFusion VPN Throughput - No Encryption - 256-bit AES | 1Gbps 1Gbps | Power Output | 1x 802.3at PoE+ ⁵ |
| Recommended Users | 50-500 | Power Consumption | 32W (nominal) / 39W (max. without PoE output) |
| SpeedFusion VPN Peers | 2 / 10 / 20 / 50 ³ | Total PoE Power Budget | 30W |
| Maximum Number of Controlled AP / Switch | 30 / 50 ⁴ | Dimensions | 10.2 x 6.3 x 1.34 inches / 260 x 160 x 34 mm |
| SpeedFusion Features | Hot Failover, Smoothing, Bandwidth Bonding | Weight | 2.89 pounds / 1.31 kg |
| Central Management | InControl 2 | Operating Temperature | 32° – 104° F / 0° – 40° C |
| Drop-In Mode | Yes | Humidity | 10% to 95% (non-condensing) |
| High Availability | Yes | Certifications | FCC, CE, RoHS |
| Content Filtering | Full | Package Content | 1x Balance 310 1x 54V 1.2A Power Supply 4x Rubber Feet |
| AP & Switch Controller | Yes | Warranty | 1-Year Limited Warranty |

¹ 10G is backward compatible with FE / GE / 2.5G / 5G ; 2.5G is backward compatible with GE and FE.

² Ethernet WAN 2 is a configurable WAN/LAN port. WAN/LAN Configuration is changeable on the Web Admin.

³ Supports 2 peers by default. Capacity increases to 10 peers with an PrimeCare. Expansion to 20 or 50 peers is available via optional software licenses (PVN-LC-20 and PVN-LC-50).

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

⁵ A DC input voltage of 50V – 56V is required to enable PoE output.

Specifications are subject to change without notice.

Ordering Information

| Product Code | Description |
|--------------|-------------|
| BPL-310-PRM | Balance 310 |

Featured Add-on

| Product Code | Description |
|---------------------|--|
| PRM-C-1Y / PCP-C-1Y | PrimeCare C / PrimeCare+ C (1-Year) |
| PRM-C-2Y / PCP-C-2Y | PrimeCare C / PrimeCare+ C (2-Year) |
| PRM-C-4Y / PCP-C-4Y | PrimeCare C / PrimeCare+ C (4-Year) |
| ACW-634 | 10ft / 3m DC Power Cable |
| ACW-791 | Peplink 4-Pin Micro-Fit to USB-C Power Cable |
| ACW-992 | Rack Mount Kit for Balance 310 |