



# | 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.

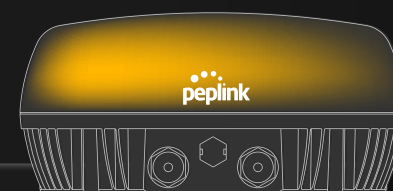


## Gigabit SpeedFusion Throughput



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

Antenna MAX



peplink



Broadband

5G

SPEEDFUSION

5G

Broadband

Broadband + 5G

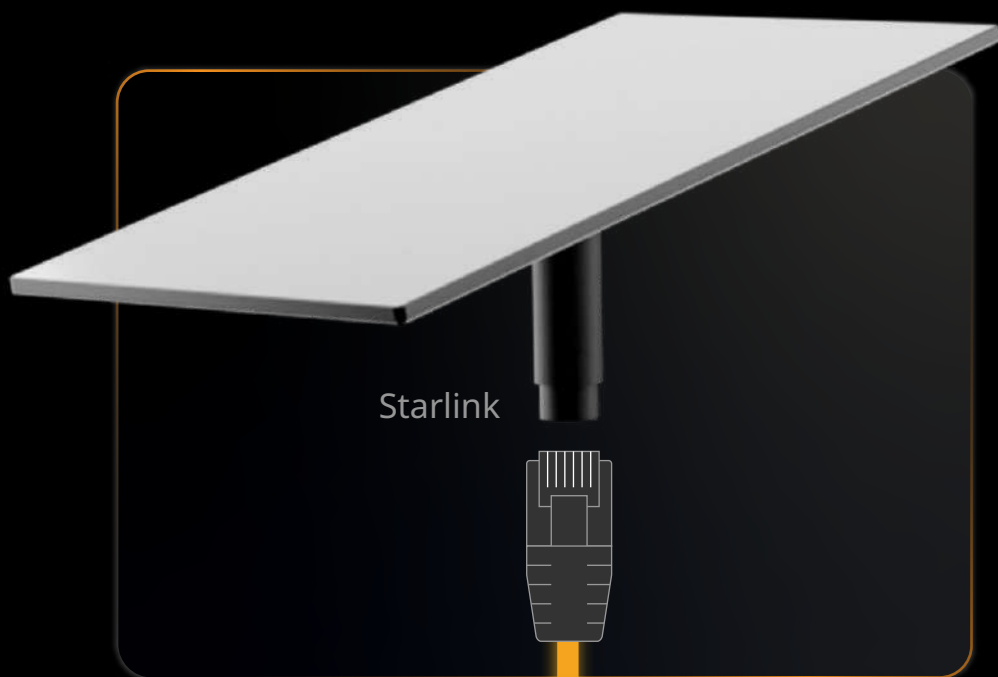
Bonded Bandwidth



# 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.



Starlink



peplink

5G Cellular Router

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

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



Starlink x Cellular



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.



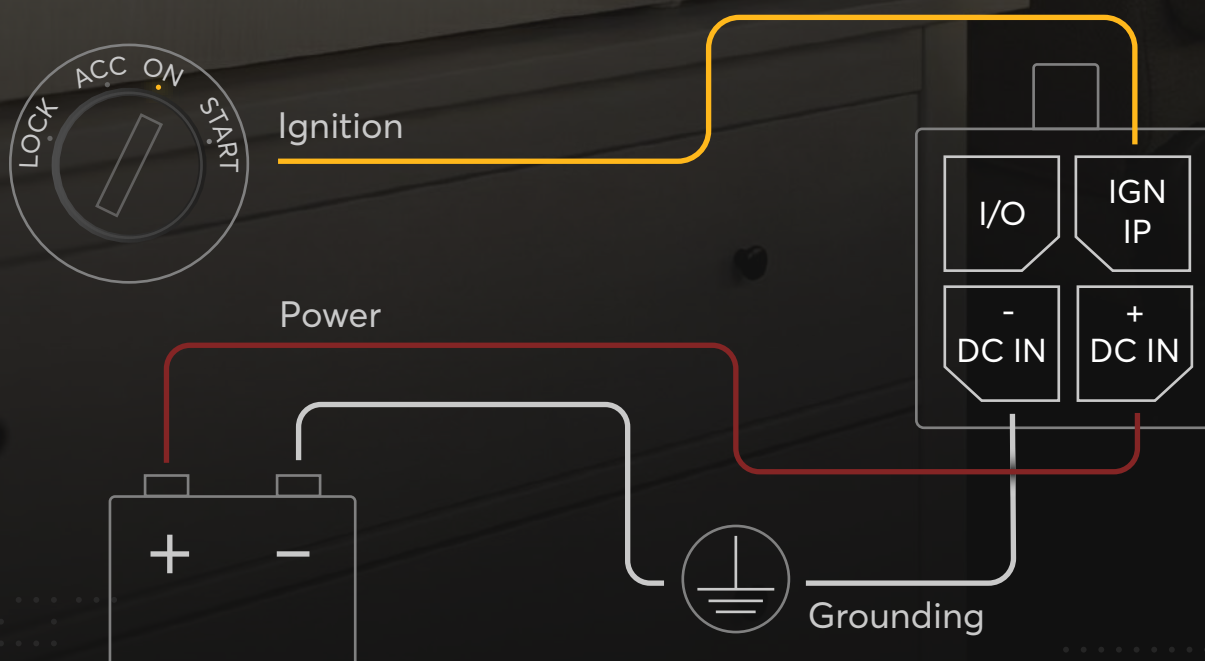


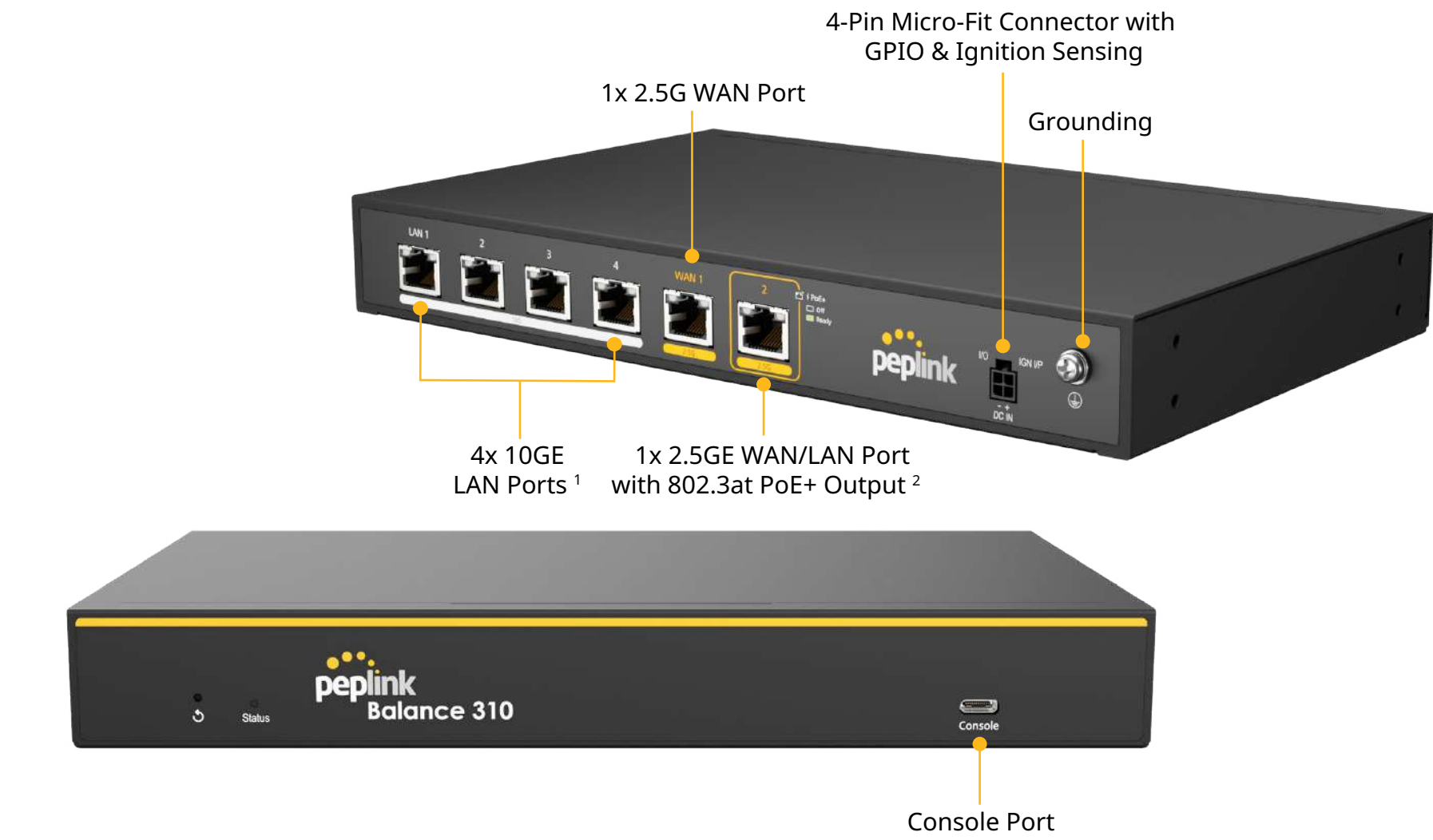
## High Performance in Flexible Environments

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





## Specifications

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

<sup>1</sup> 10G is backward compatible with FE / GE / 2.5G / 5G ; 2.5G is backward compatible with GE and FE.  
<sup>2</sup> Ethernet WAN 2 is a configurable WAN/LAN port. WAN/LAN Configuration is changeable on the Web Admin.  
<sup>3</sup> 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 SFN-LC-50).  
<sup>4</sup> Available as a licence add-on (AP-LC-50).  
<sup>5</sup> A DC input voltage of 50V – 56V is required to enable PoE output.

## 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               |