



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



Live Streaming

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



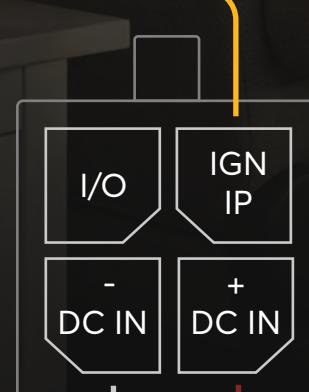
Fanless design ensures quiet, durable operation. Combined with ignition sensing, it supports high-performance deployment in versatile environments, including vehicles such as RVs.



Wiring Diagram

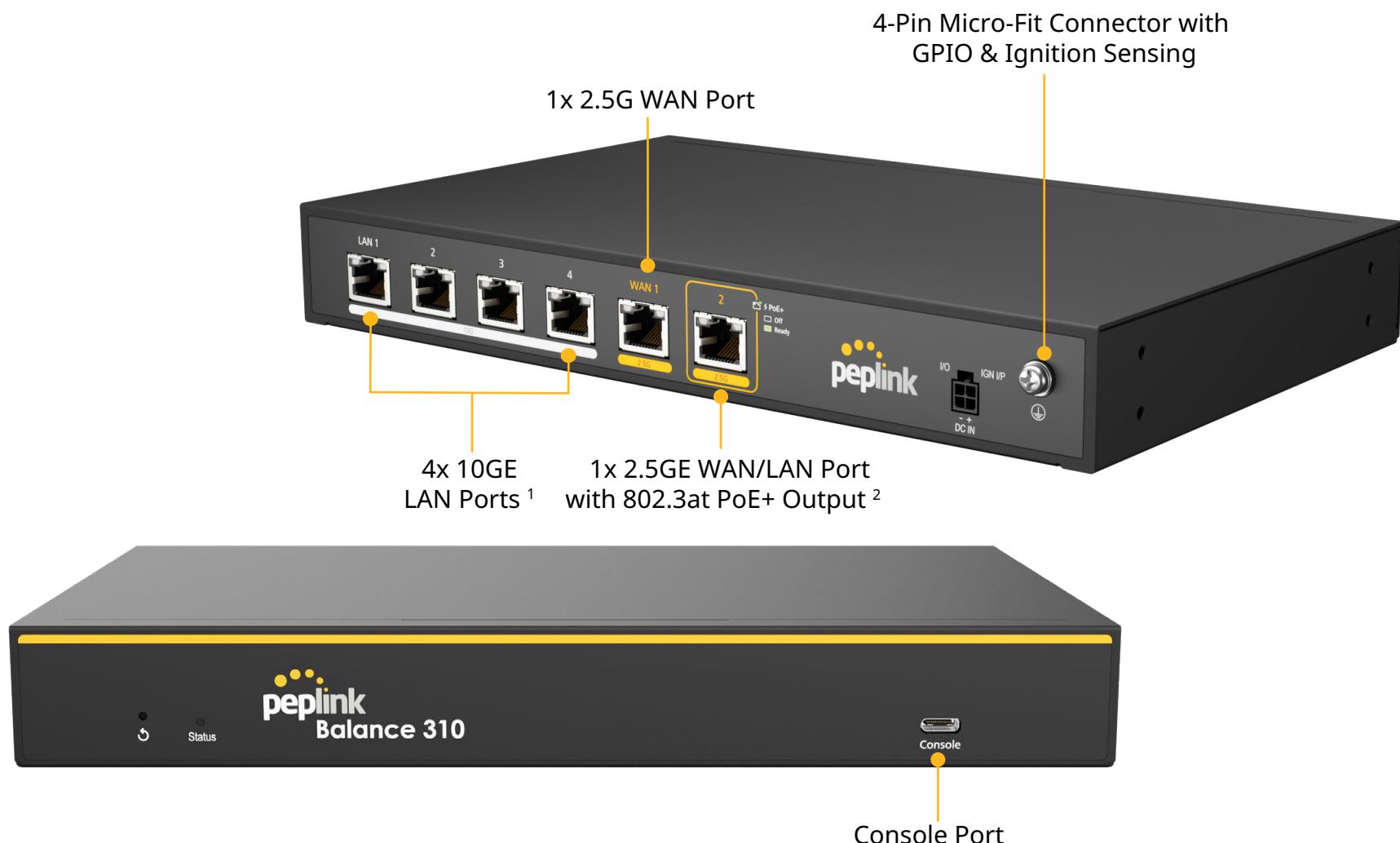


Ignition



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