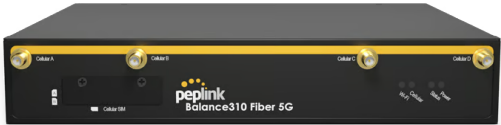


Tech Specs | Enterprise Router

Balance 310 Fiber 5G



Quick Look

|                                            |                        |                                                                                                                                                                                                                                                                                           |
|--------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of Ethernet WAN port                | 1 (GE)                 |                                                                                                                                                                                                                                                                                           |
| Number of Ethernet LAN port                | 5 (GE)                 |                                                                                                                                                                                                                                                                                           |
| Router Throughput                          | 1Gbps <sup>[1]</sup>   | [1] Router Throughput and PepVPN/SpeedFusion Throughput is based on Ethernet frame sizes of 1280 or 1518 bytes. Actual performance can vary across different networking environments. Figures apply to the latest hardware revision. The throughput result is tested with DHCP/Static IP. |
| SpeedFusion VPN Throughput (No Encryption) | 600Mbps <sup>[1]</sup> | [1] Router Throughput and PepVPN/SpeedFusion Throughput is based on Ethernet frame sizes of 1280 or 1518 bytes. Actual performance can vary across different networking environments. Figures apply to the latest hardware revision. The throughput result is tested with DHCP/Static IP. |
| SpeedFusion VPN Throughput (256-bit AES)   | 500Mbps <sup>[1]</sup> | [1] Router Throughput and PepVPN/SpeedFusion Throughput is based on Ethernet frame sizes of 1280 or 1518 bytes. Actual performance can vary across different networking environments. Figures apply to the latest hardware revision. The throughput result is tested with DHCP/Static IP. |
| Number of Cellular Modem                   | 1                      |                                                                                                                                                                                                                                                                                           |

Interfaces

|                                               |                           |
|-----------------------------------------------|---------------------------|
| Maximum Ethernet WAN / LAN port configuration | 1 WAN with 5 LAN          |
| SFP LAN / WAN                                 | 1x SFP WAN,<br>1x SFP LAN |
| Serial Interface                              | No                        |
| Wi-Fi AP                                      | Yes                       |
| Wi-Fi WAN                                     | No                        |



USB WAN **Yes (1x USB)**

Module Expansion **No**

Performance

Maximum Number of Controlled AP / Switch **30 / 50** <sup>[2]</sup> [2] 50 AP is available as a license add-on (AP-LC-50).

Number of Recommended Users **50-500**

Wireless details

Cellular Modem Category options **1x 5G**

5G support **Yes**

SIM Slots **2**

SIM Card Size **Nano SIM(4FF)**

Wi-Fi Radio **Dual (2.4GHz + 5GHz),  
2x2 Wi-Fi 5**

Wi-Fi Antenna Transmit Power (2.4GHz, single chain) **21dBm**

Wi-Fi Antenna Transmit Power (5GHz, single chain) **20dBm**

Multiple SSIDs **16**

GPS **No**

RemoteSIM (used in SIM Injector) **Yes**

FusionSIM **Yes**

Peplink eSIM Data Plans **Yes (HW2+)** <sup>[3]</sup> [3] Require Firmware 8.3.0 or above.

BYO eSIM **Yes (HW2+)** <sup>[4]</sup> [4] Require Firmware 8.4.0 or above.

Features

SpeedFusion Hot Failover **Yes**SpeedFusion Smoothing **Yes**SpeedFusion Bandwidth Bonding **Yes**SpeedFusion Connect **Yes** <sup>[5]</sup><sup>[5]</sup> PrimeCare subscription includes 1TB/year complimentary SpeedFusion Connect Usage data.SpeedFusion Relay Mode (Server) **Yes**Drop-In Mode **Yes**High Availability **Yes**Peplink AP Series Management **Yes**Remote AP & Multiple Config Profiles Management **No**Switch Controller **Yes**WAN as LAN **Yes**LAN Bypass **No**InTouch **Yes**Virtual WAN **Yes** <sup>[6]</sup><sup>[6]</sup> 1 Virtual WAN complimentary with active PrimeCare. Up to 3 Virtual WAN upon purchasing Virtual WAN Activation Licence.Synergy Mode (Controller) **Yes**Synergized Device **Yes**Application and Web Blocking **Yes**Web Content Filtering **Full**IP Passthrough **Yes**IPv6 **Yes**x.509 Certificate **Yes**

|                |     |
|----------------|-----|
| Captive Portal | Yes |
|----------------|-----|

|      |    |
|------|----|
| GPIO | No |
|------|----|

|                  |    |
|------------------|----|
| Ignition Sensing | No |
|------------------|----|

|                 |     |
|-----------------|-----|
| Netflow Support | Yes |
|-----------------|-----|

|                            |                    |
|----------------------------|--------------------|
| LACP (802.3ad) NIC Bonding | Yes <sup>[7]</sup> |
|----------------------------|--------------------|

[7] Require Firmware 8.4.1 or above.

|                     |    |
|---------------------|----|
| Jumbo Frame Support | No |
|---------------------|----|

|                                     |    |
|-------------------------------------|----|
| Internal Storage for Edge Computing | No |
|-------------------------------------|----|

|                               |                    |
|-------------------------------|--------------------|
| External Storage via USB Port | Yes <sup>[8]</sup> |
|-------------------------------|--------------------|

[8] Require Firmware 8.4.0 or above. Support Docker.

|                |    |
|----------------|----|
| Dead Reckoning | No |
|----------------|----|

## Core Functionality

---

|                    |     |
|--------------------|-----|
| Inter-VLAN Routing | Yes |
|--------------------|-----|

|                        |     |
|------------------------|-----|
| 802.1q VLANs Supported | 128 |
|------------------------|-----|

|                 |     |
|-----------------|-----|
| Port-Based VLAN | Yes |
|-----------------|-----|

|                           |     |
|---------------------------|-----|
| Load Balancing & Failover | Yes |
|---------------------------|-----|

|                           |   |
|---------------------------|---|
| Load Balancing Algorithms | 8 |
|---------------------------|---|

|                        |     |
|------------------------|-----|
| Inbound Load Balancing | Yes |
|------------------------|-----|

|                              |     |
|------------------------------|-----|
| InControl 2 Cloud Management | Yes |
|------------------------------|-----|

|                                |    |
|--------------------------------|----|
| InControl GPS Fleet Management | No |
|--------------------------------|----|

## Advanced QoS Functionality

---

|                            |     |
|----------------------------|-----|
| Bandwidth Usage Monitoring | Yes |
|----------------------------|-----|

|                             |     |
|-----------------------------|-----|
| QoS for VoIP and E-Commerce | Yes |
|-----------------------------|-----|

|                               |     |
|-------------------------------|-----|
| User Groups Bandwidth Control | Yes |
|-------------------------------|-----|

## VPN Functionality

|                 |     |
|-----------------|-----|
| SpeedFusion VPN | Yes |
|-----------------|-----|

|                                 |                             |
|---------------------------------|-----------------------------|
| Number of SpeedFusion VPN Peers | 2 or 3 or 30 <sup>[9]</sup> |
|---------------------------------|-----------------------------|

[9] 2 or 3 peers by default for PrimeCare or non-PrimeCare SKU respectively. For PrimeCare SKU, 30 peers requires PrimeCare Subscription, complimentary for the first year.

|           |     |
|-----------|-----|
| IPsec VPN | Yes |
|-----------|-----|

|                         |   |
|-------------------------|---|
| Number of IPsec Tunnels | 5 |
|-------------------------|---|

|                                       |     |
|---------------------------------------|-----|
| L2TP VPN / Open VPN / PPTP VPN Server | Yes |
|---------------------------------------|-----|

|                                     |    |
|-------------------------------------|----|
| Maximum PPTP / L2TP / OpenVPN Users | 15 |
|-------------------------------------|----|

|                                                           |     |
|-----------------------------------------------------------|-----|
| Remote RADIUS / LDAP authentication in Remote User Access | Yes |
|-----------------------------------------------------------|-----|

|                                         |   |
|-----------------------------------------|---|
| Number of OpenVPN Tunnel (Site to Site) | 5 |
|-----------------------------------------|---|

|                                     |   |
|-------------------------------------|---|
| Number of GRE Tunnel (Site to Site) | 5 |
|-------------------------------------|---|

## Hardware

|           |                  |
|-----------|------------------|
| Enclosure | Indoor,<br>Metal |
|-----------|------------------|

|                                |    |
|--------------------------------|----|
| 4pin Molex Micro-Fit Connector | No |
|--------------------------------|----|

|                                                                  |    |
|------------------------------------------------------------------|----|
| Terminal Block Power Connector for Mobile / Vehicular Deployment | No |
|------------------------------------------------------------------|----|

|                   |            |
|-------------------|------------|
| AC Adapter or PSU | 12V 5A PSU |
|-------------------|------------|

|               |        |
|---------------|--------|
| Input voltage | DC 12V |
|---------------|--------|

|           |    |
|-----------|----|
| PoE Input | No |
|-----------|----|



|                            |                          |
|----------------------------|--------------------------|
| PoE Output                 | No                       |
| USB Power Input            | No                       |
| Nominal Power Consumption  | 17W                      |
| Maximum Power Consumption  | 40W                      |
| Dimensions in inches       | 9.9 x 7.1 x 2.0 inches   |
| Dimensions in mm           | 253 x 180 x 50 mm        |
| Weight (Pound)             | 3.6 pounds               |
| Weight (Gram / Kilogram)   | 1.65 kg                  |
| Operating Temperature      | 32°–104 °F,<br>0°–40°C   |
| Humidity                   | 10%–85% (non-condensing) |
| Rack-mount                 | No                       |
| Dual Hot Swap Power Supply | No                       |

Warranty Info

|          |                         |
|----------|-------------------------|
| Warranty | 1-Year Limited Warranty |
|----------|-------------------------|