

Tech Specs | Enterprise Router

Balance 310 5G (HW3)



Quick Look

Number of Ethernet WAN port	1 (10GE)
Number of Ethernet LAN port	8 (2.5GE)
Router Throughput	4Gbps
SpeedFusion VPN Throughput (No Encryption)	1Gbps
SpeedFusion VPN Throughput (256-bit AES)	1Gbps
Number of Cellular Modem	1

Interfaces

Maximum Ethernet WAN / LAN port configuration	1 WAN with 8 LAN	
SFP LAN / WAN	1x 10G SFP+ WAN/LAN ^[1]	[1] WAN/LAN Configuration is changeable on the Web Admin.
Serial Interface	No	
Wi-Fi AP	Yes	
Wi-Fi WAN	Yes	
USB WAN	Yes (2x USB-C)	
Module Expansion	No	

Performance

Maximum Number of Controlled AP / Switch **30 / 50** ^[2]

[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 7**

Wi-Fi Antenna Transmit Power (2.4GHz, single chain) **24dBm**

Wi-Fi Antenna Transmit Power (5GHz, single chain) **23dBm**

Multiple SSIDs **16**

GPS **Yes**

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

FusionSIM **Yes**

Peplink eSIM Data Plans **Yes**

BYO eSIM **Yes**

Features

SpeedFusion Hot Failover **Yes**

SpeedFusion Smoothing **Yes**

SpeedFusion Bandwidth Bonding **Yes**

SpeedFusion Connect **Yes** ^[3]

[3] 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**

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	
Jumbo Frame Support	Yes	
Internal Storage for Edge Computing	Yes (8GB) ^[4]	^[4] Support Application, Docker.
External Storage via USB Port	Yes ^[5]	^[5] Support Docker.
Dead Reckoning	Yes	

Core Functionality

Inter-VLAN Routing	Yes
802.1q VLANs Supported	20
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	Yes

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 30 or 50 ^[6]	[6] 2 SpeedFusion VPN Peers are enabled by default. 30 SpeedFusion VPN Peers are enabled with PrimeCare Subscription, complimentary for the first year. Expansion to 50 peers is available via optional software licenses (SFN-LC-50).
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, Metal	
4pin Molex Micro-Fit Connector	No	
Terminal Block Power Connector for Mobile / Vehicular Deployment	Yes	
AC Adapter or PSU	54V 5.19A PSU	
Input voltage	DC 12–54V	
PoE Input	No	
PoE Output	Yes ^[7]	[7] 8x 802.3at 2.5GE LAN.A DC input voltage of 50V – 54V is required to enable PoE output.
USB Power Input	No	



Nominal Power Consumption	27W	
Maximum Power Consumption	54W ^[8]	[8] Maximum without USB-C output and PoE output
Dimensions in inches	7.3 x 8.07 x 1.61 inches	
Dimensions in mm	186 x 205 x 41 mm	
Weight (Pound)	5.06 pounds	
Weight (Gram / Kilogram)	2.3 kg	
Operating Temperature	-40°–149°F, -40°–65°C	
Humidity	15%–95% non-condensing	
Rack-mount	No	
Dual Hot Swap Power Supply	No	

Warranty Info

Warranty	1-Year Limited Warranty
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