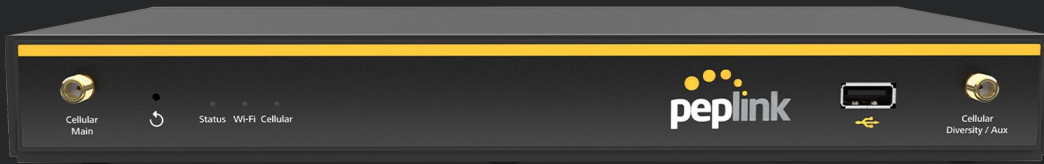# Balance 20X

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Quick Look

Cellular	Ethernet WAN	Ethernet LAN	Router Throughput	SpeedFusion VPN Throughput (No Encryption)	SpeedFusion VPN Throughput (256-bit AES)
Up to 2*	1 (GE)	4 (GE)	1Gbps	100Mbps	60Mbps

Interfaces

Serial (RS232)	No
Wi-Fi AP	Yes
Wi-Fi WAN	Yes $
USB WAN	Yes
GPIO	No

Performance

Recommended Users	1-60
Number of SpeedFusion VPN Peers	2/5 !

Wireless Details

LTE Category Options	CAT 4 CAT 6 CAT 7 CAT 12# CAT 18#
Band 71	Yes (US version CAT 6 & CAT 18 & 5G)
SIM Slots	Up to 4*
Wi-Fi Radio	Dual (2.4GHz + 5GHz) 2x2 Wi-Fi 5
SIM Card Size	Mini-SIM (2FF)
Transmit Power (2.4GHz, single chain)	21dBm
Transmit Power (5GHz, single chain)	20dBm
Multiple SSIDs	16
Captive Portal	Yes
GPS	Yes

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Features

Ignition Sensing	No
Remote SIM (used in SIM Injector)	Yes #
802.1 q VLANs Supported	16
Drop-In Mode	Yes
High Availability	Yes^
Ip Passthrough	Yes
WAN as LAN	No
Web Blocking	Yes
Web Filtering Blacklist	Lite
In Control Cloud Management	Yes
GPS Fleet Management	Yes

VPN Functionality

SpeedFusion VPN	Yes
SpeedFusion Hot Failover	Yes ^
SpeedFusion WAN Smoothing	Yes ^
SpeedFusion Bandwidth Bonding	Yes ^
Number of IPsec Tunnels	5
Maximum PPTP/L2TP/ OpenVPN Users	15

Hardware

Enclosure	Indoor, Metal
Terminal Block Power Connector for Mobile/Vehicular Deployment	No
AC Adapter	No
Input Voltage	DC 10-30V
PoE Input	No
PoE Output	No
Power Consumption	Max.: 28W
Dimensions in inches	6.3 x 10.3 x 1.3 inches
Dimensions in mm	160 x 262 x 33 mm
Weight (Pound)	1.74 pounds
Weight (Grams)	0.67 kg
Operating Temperature	"14° – 113°F -10° – 45°C"
Humidity	15% – 95% (non-condensing)

Certifications

FCC, CE, RoHS	Yes
E-Mark (Motor Vehicle)	No
EN 61373 Shock and Vibration Resistance	No
EN 50155 Railway Applications – Electronic Equipment used on Rolling Stock	No
EN 61000 Electromagnetic Compatibility	No
Warranty	1-Year Limited Warranty

[!] 2 PepVPN Peers are enabled by default. 5 PepVPN Peers are enabled with PrimeCare Subscription, complimentary for the first year

[*] Expansion Module. Balance 20X support a expansion module with 1x Cellular modem or 1x VDSL.

[^] Requires PrimeCare Subscription, complimentary for the first year

[$] Requires Firmware 8.3.0 or above and PrimeCare Subscription

[1] The frequency range for 2.4GHz and 5GHz are 2412−2472 MHz and 5180−5825 MHz respectively.

[2] Recommended user: Recommendation for sizing purposes only. No software restrictions applied.

[3] Router Throughput and SpeedFusion VPN 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. x

[4] Transmit power can be configured on the Web Admin Interface.

[5] Cache Throughput refers to the speed of routing content from disk drive to LAN.

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