

Peplink Balance 310X

Enterprise SD-WAN router for Medium Branches



Affordable High Performance

The Balance 310X uses all GE ports and offers a routing throughput of 2.5 Gbps. It provides all the connectivity needed to support small and medium sized business operations.



2.5 Gbps
Of Throughput

TAA
COMPLIANT

Unbreakable Connectivity with LTE

The Balance 310X provides built-in LTE for seamless failover. Patented SpeedFusion technology combines multiple connections for jitter-free calls and high-speed transfers.



Rugged Industrial-Grade Design



The Balance 310X has a fanless design and a wide temperature range. Drop it into demanding environments and run it for years without worry.

Scalable Management



The Balance 310X comes with the InControl central management system. Easily centralize firewall rules, outbound policy, VLAN, device configurations and more.

Balance 310X



Specifications

WAN Interface	1x Embedded LTEA-PRO Modem with Redundant SIM Slots 2x 10/100/1000M Ethernet 2x USB 2.0 Interface	Power Consumption	30W (max.)
LAN Interface	9x 10/100/1000M Ethernet	Dimensions	1.7 x 11.5 x 7.0 inches 43 x 292 x 177 mm
Router Throughput	2.5 Gbps	Weight	7.28 pounds 3.3 kg
PepVPN Throughput (No Encryption)	600 Mbps	Operating Temperature	-40° – 149 °F -40° – 65 °C
PepVPN Throughput (256-bit AES)	500 Mbps	Humidity	15% – 95% (non-condensing)
Cellular Data Rate® (Downlink/Uplink)	CAT-12: 600 Mbps/150 Mbps CAT-20: 2 Gbps/211 Mbps	Certifications	FCC, CE, RoHS, EN 55032, CISPR 32
Recommended Users	50-500	Package Content	Balance 310X, 1x PSU 24V 2.5A (ACW-647), 2x or 4x LTE/5G Antennas (ACW-234) 1x GPS Antenna (ACW-232), Ear L-Mounts kit (ACW-513), Rubber Foot Pad Set, Grounding Cable
Cellular and GPS Antenna Connectors	2x SMA Antenna Connectors (for CAT-12) 4x SMA Antenna Connectors (for CAT-20) 1x SMA GPS Antenna Connector	Warranty	1-year Limited Warranty
Power Input	Power Din DC: 12V – 30V		

Ordering information

Product Code	Carrier/ Category	Embedded Modems	4G Bands	3G Bands
BPL-310X-LTEA-R-T	America / CAT-12	1	B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B14, B18, B19, B20, B26, B29, B30, B32, B41, B42, B43, B46, B48, B66	B1, B2, B4, B5, B6, B8, B9, B19
BPL-310X-LTEA-D-T	APAC & EMEA / CAT-12	1	B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B14, B17, B18, B19, B20, B21, B25, B26, B28, B29, B30, B32, B38, B39, B40, B41, B66	B1, B2, B3, B4, B5, B8, B9, B19
BPL-310X-LTEA-Q-T	APAC & EMEA / CAT-12	1	B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B38, B39, B40, B41, B42, B43, B48, B66, B71	B1, B2, B4, B5, B6, B8, B9, B19
BPL-310X-LTEA-K-T	Global / CAT-12	1	B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B20, B26, B28, B29, B30, B32, B41, B42, B43, B46, B48, B66	HSPA+: B1, B2, B4, B5, B6, B8, B9, B19
BPL-310X-GLTE-S-T	Global / FirstNet / CAT-20	1	B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B46 (LAA), B48, B66, B71	BHSPA+/WCDMA: B1, B2, B3, B4, B5, B6, B8, B9, B19

[®]Theoretical maximum data rates

Expansion Module for B310X



Specifications

Interface	1x Embedded Cellular Modems with Redundant SIM Slots	Dimensions	0.9 x 11.5 x 3.5 inches 22 x 292 x 88 mm
Antenna Connectors	4x SMA Antenna Connectors, 1x SMA GPS Antenna Connector	Weight	2.2 pounds 1 kg
Cellular Data Rate[®] (Downlink/Uplink)	CAT-20: 2 Gbps/211 Mbps		

Ordering information

Product Code	Description	Embedded Modems	Carrier/Categories	4G Bands	3G Bands
EXM-310X-GLTE-S	Expansion Module for B310X with 1x LTE-A Pro (CAT-20) modem	1	Global / CAT-20	B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B46 (LAA), B48, B66, B71	HSPA+/WCDMA: B1, B2, B3, B3, B4, B5, B6, B8, B9, B19

[®]Theoretical maximum data rates

Deep Dive

WAN

Support for PPPoE, Static IP, DHCP
WAN Link Health Check
-PING
-IPv6 Support
-DNS Lookup
-HTTP
Bandwidth Allowance Monitor
USB 4G/3G Modem Support
Intelligent Failover
Support for Dynamic DNS services
-changeip.com
-dyndns.org
-no-ip.org
-tzo.com
-DNS-O-Matic

LAN

DHCP Server for LAN Clients
Extended DHCP Option
DHCP Reservation
DNS Proxy for LAN Clients
VLAN on LAN Support

Load Balancing

Intelligent Failover
Session Persistence
Per-Service Load Distribution
Multiple Algorithms
-Weighted
-Enforced
-Persistence
-Priority
-Overflow
-Least Used
-Lowest Latency
-Fastest Response Time

Security

DoS Prevention
Stateful Firewall
Web Blocking
Web Filtering Blacklist

Advanced QoS

User Groups
-Bandwidth Reservation
-Individual Bandwidth Limit
Application Prioritization
-By User Groups
-SIP, HTTPS, VPN QoS
-Custom Application QoS

Complete VPN Solution

SpeedFusion VPN
Site-to-Site VPN
-Bandwidth Bonding
-Hot Failover
-256-bit AES Encryption
-Pre-shared Key Authentication
-Dynamic Routing
PPTP/L2TP/OpenVPN Server
-Local User Active Directory Authentication
IPsec VPN (Network-to-Network)
-X.509 Certificate Support
GRE Tunnel (Network-to-Network)

Networking

NAT and IP Forwarding
Static Routes
Port Forwarding
Many to One, One to One NAT
NAT Pool
SIP ALG, H.323 ALG
UPnP, NAT-PMP
WINS Server
VRRP HA Support
BGP, OSPFv2 and RIPv2 Support

AP Controller

Support for Pepwave AP Series
Auto AP Discovery
Auto AP Firmware Management
AP Profile Configuration
Wi-Fi Usage Statistics

Captive Portal

Support for Wired and Wireless LAN Clients
Support RADIUS Authentication
Support LDAP Authentication
Time and Usage Quotas on Open Access Mode
Built-in Customizable Splash Page

DNS

Built-in Authoritative DNS
Support for A, CNAME, NS, MX, PTR, SOA, SRV, TXT records

Device Management

Web Administrative Interface
Command Line Interface
InControl Cloud Management
Email Notification
Active Client & Session Lists
Bandwidth Usage Statistics
Syslog Service
SNMP v1, v2c and v3