

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



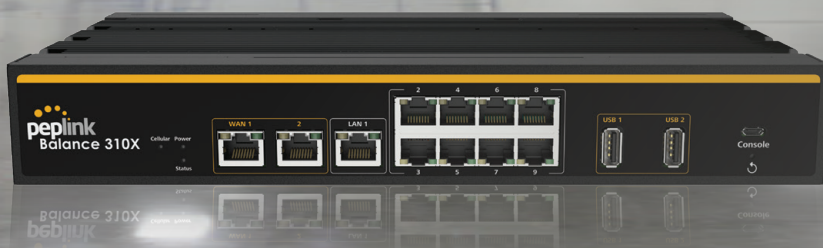
TAA
COMPLIANT

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.

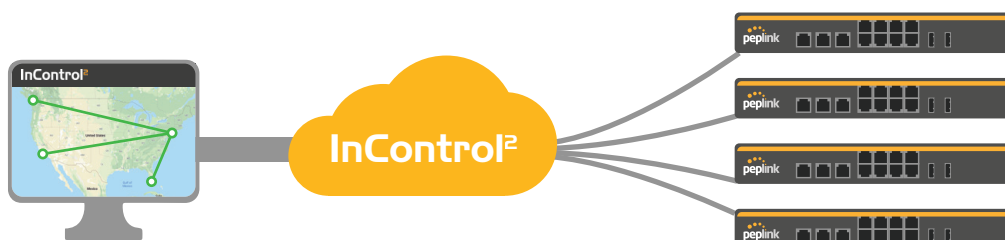


Rugged Industrial-Grade Design



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