

# Peplink Balance multi-WAN router

Load Balancing. Unbreakable VPN. Bandwidth Bonding.



## Peplink Balance Multi-WAN Bonding Router

Internet and computer network connectivity have become essential to doing business in the 21st century, and organizations of all kinds are always on the lookout for ever faster connections, as well as more reliable, flexible, and cost-effective networking solutions. Internet load balancing, a technology that distributes network traffic over multiple WAN links, delivers the speed and worry-free performance businesses need to connect with customers and compete in the global marketplace. The Peplink Balance's world-leading Internet load balancing and SpeedFusion™ bandwidth bonding solution let you take control of your WAN and improve Internet connectivity, all with one easy-to-manage device.

## Major Benefits

### Increase Speed, Uptime, and Reliability with Multiple, Bonded WAN Links

The Peplink Balance intelligently distributes network traffic over multiple WAN links, including DSL, cable, 4G LTE, and 3G. Should a connection fail, the Peplink Balance automatically switches to a healthy link in less than a second, seamlessly maintaining Internet connectivity and corporate VPN functionality. Using Peplink's unique SpeedFusion bandwidth bonding technology, you can aggregate the bandwidth of all available WAN links, significantly boosting speed, reliability, and failover performance.

### Instantly Reduce Costs up to 90% without Compromising Performance

With the increased reliability made possible by multiple WAN links, you can switch from traditional links, such as MPLS leased lines, to a mix of DSL, cable, 4G LTE, and 3G connections. Corporate networks become much more affordable, yet retain the reliability needed for enterprise networking. Peplink's SpeedFusion bandwidth bonding technology also works with mobile connections, such as 4G LTE, 3G, or WiMAX, enabling mobile/remote site applications without resorting to satellite, microwave, or other slower and less dependable wireless technologies. Thanks to SpeedFusion, live HD video streaming, industrial automation, seamless remote access, and other bandwidth-intensive applications are now possible at a cost that's within reach of almost any business.

### Simplify Your Network with Our All-in-One Solution

The Peplink Balance's extensive range of features, such as WLAN Controller, User Group QoS, and Bandwidth Report, lets you manage your WAN, VPN, and wireless network with a single box. Take control of your network with the all-in-one power of Peplink, the ultimate solution for every enterprise network.

## Key Features



### Internet Load Balancing

Increase Internet Uptime to 100%



### SpeedFusion™

Highly Secure VPN, Bandwidth Bonding



### Mobile Bandwidth Bonding

Reliable, Fast 4G LTE/3G Network Bonding



### Business WLAN

Affordable, Easy-to-use Wi-Fi for Business

## Live Demo

Try out the Peplink Balance's Web Admin Demo now!

<http://www.peplink.com/demo/balance/>

## Break Internet Bandwidth Limits. Higher Speed. Extreme Reliability.

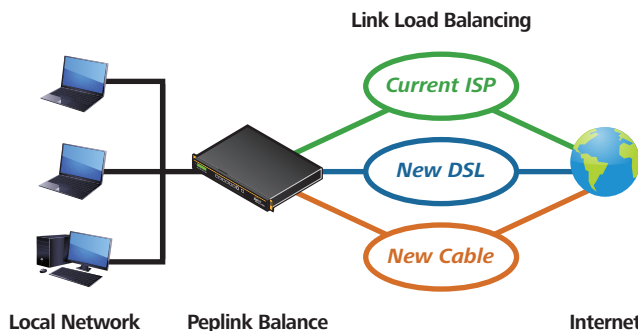
### Internet Load Balancing

Boost network data rates, reliability, and flexibility while slashing connectivity costs with Peplink Internet Load Balancing technology. The Peplink Balance can distribute the traffic of up to 13 Internet links and route data using seven intelligent algorithms. It all adds up to high speeds and rock-solid dependability at a savings of up to 90% compared to solutions built on leased lines and other expensive links.

With the Peplink Balance, all your cable, DSL, leased line, cellular, and other links will work together to handle even the most demanding traffic, without lags or downtime. When you need more speed, add more connections.

### Prioritize and Balance Traffic by Type or Application

The Peplink Balance incorporates 7 advanced link load balancing algorithms and customizable rules that put you in complete control of network data priorities. Just set your traffic priorities, including VoIP and custom application traffic, with a few clicks and let



Peplink take care of the load balancing and optimization details – day in, day out.

### Count on 100% Uptime with Automatic Failover

Automatic Failover keeps your network up and running by continually checking the health of all connected links and routing traffic around inactive or intermittent connections. You can even customize Automatic Failover's behavior, specifying conditional or dedicated backup links that dynamically respond to network status.



Balance 380



Balance 1350

## Replace MPLS with a Bonded VPN. SpeedFusion Shifts VPN Traffic into High Gear.

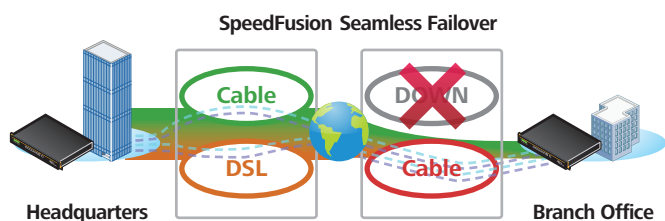
### VPN for Branch Networking

Shift WAN data transfer, video delivery, VPNs, and more into overdrive with Peplink SpeedFusion. Peplink's patent-pending SpeedFusion true bandwidth bonding technology combines the bandwidth of up to 13 cable, DSL, 4G LTE/3G, and other links to drive high-speed, high-reliability, and high-security networking – all at a lower cost, with fewer maintenance headaches. Whether you're transferring a single file or sharing dozens of documents, video feeds, and VoIP conversations, SpeedFusion teams up all your links to make it happen faster and more dependably.

optimization. With SpeedFusion, your network stays up and running smoothly, without micromanagement, even when network traffic's at its heaviest.

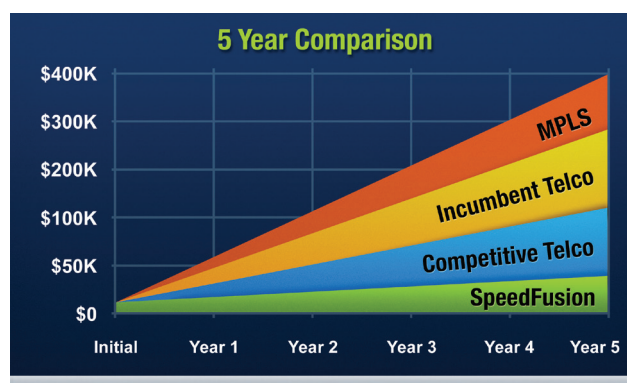
### Ditch Expensive MPLS.

Looking for an alternative to expensive leased lines? SpeedFusion bonds the bandwidth of up to 13 cable/DSL, 4G LTE/3G, WiMAX, and other Internet connections from multiple providers, boosting transfer speeds and reliability while saving you money compared to single-line MPLS.



### Maximum Performance. Minimum Hassle.

SpeedFusion increases performance across the board with intelligent bonding algorithms, advanced QoS, and video stream





## Mobile Bandwidth Bonding. Turbocharge Mobile VPNs.

### 4G LTE/3G Bandwidth Bonding

SpeedFusion, the technology at the heart of every Balance Multi-WAN and MAX Mobile router, bonds the bandwidth from multiple cellular connections. You get faster and more reliable mobile VPNs in every application. Plus, all your data is secured by military-grade encryption, and data volume is monitored and controlled to keep you under your usage cap and within budget.



#### Get the Speed You Need on the Road.

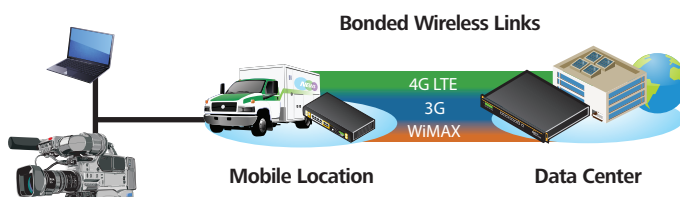
SpeedFusion Bandwidth Bonding automatically aggregates all connected 4G LTE/3G/WiMAX links to give you fast data transfers, smooth HD video, and blazing performance wherever you go. Need more speed? Just add cellular connections and let SpeedFusion take care of the details.

#### Enjoy Wired Reliability without the Wires.

SpeedFusion bonds cellular connections from multiple providers, continuously monitoring link connectivity and automatically switching to healthy connections in the event of link failure. Your network stays up and running, and you stay open for business.

#### Do More on the Road with SpeedFusion.

The speed, reliability, and security delivered by SpeedFusion open up a wide range of new mobile VPN applications in demanding, mission-critical fields, such as newscasting and public safety. In addition, transferring large files, such as those generated by digital production, photography, and POS activities, becomes practical and profitable wherever your mobile workforce roams.



MAX



AP One

## All-in-One WLAN Solution. Manage hundreds of APs. Built-in Captive Portal.

### Business WLAN Solution

Peplink's business WLAN solution combines an enterprise-grade wireless access point and centralized access point management in one easy-to-use and affordable package. Now you can manage wireless LAN networks of up to 500 Peplink AP One devices using a single Peplink Balance. With Peplink's WLAN solution, all your mobile devices, including iPhones, iPads, and Android devices, get the same reliable Internet connection that you've come to expect from Peplink – without the wires!

#### Built-in WLAN Controller

Simplify your network management by controlling your AP One access points using a centralized admin interface built into the Peplink Balance. Just connect an AP One to the network and it will be discovered by the Balance automatically, allowing you manage and set-up your access point instantly!

#### Easy Wi-Fi Portal

Peplink's WLAN solution features a built-in captive portal, which allows you to provide Wi-Fi hotspot service to your customers or Wi-Fi access to your guests in a corporate environment. From showing a splash screen for free users to accept service terms to creating a user login for your paid customers, you can easily customize your Wi-Fi portal in just a few clicks.

#### Unified Network Management

With our WLAN solution, you can manage all network connections, local client access, and user bandwidth policy using one single package. Administrators can monitor and generate reports on AP activity and bandwidth consumption, giving you complete and easy control over your network.



# Specifications



	20	30	210	310	305	380	580	710	1350	2500
Designed For	Power User & Home Office		Small Business		Mid-Size Business			Large Enterprise		
Product Code	BPL-20	BPL-30	BPL-210	BPL-310	BPL-305	BPL-380	BPL-580	BPL-710	BPL-1350	BPL-2500/ BPL-2500-SFP <sup>^</sup>
Ethernet WAN Ports	2	3	2	3	3 (GbE)	3 (GbE)	5 (GbE)	7 (GbE)	13 (GbE)	12 (GbE)
USB WAN Modem Port <sup>1</sup>	1	1	1	1	1	1	1	1	1	1
Recommended Users <sup>2</sup>	1-25	1-25	1-50	1-50	50-500	50-500	300-1000	500-2000	1000-5000	5000-20000+
Router Throughput	100M	100M	100M	100M	200M	200M	400M	800M	1.5G	8G
Load Balancing/Failover	●	●	●	●	●	●	●	●	●	●
Drop-In Mode	○	○	●	●	●	●	●	●	●	●
Inbound Load Balancing	○	○	●	●	●	●	●	●	●	●
SpeedFusion Bandwidth Bonding <sup>3</sup>	○	○	●	●	○ <sup>#</sup>	●	●	●	●	●
Number of SpeedFusion Peers	○	○	2	2	20 <sup>#</sup>	20	50	300	800	4000
SpeedFusion Throughput	○	○	30M	30M	60M	60M	80M	160M	350M	2G
PPTP VPN Server	●	●	●	●	●	●	●	●	●	●
IPsec VPN (Network-to-Network)	●	●	●	●	●	●	●	●	●	●
Built-in WLAN Controller <sup>*</sup>	○	○	○	○	●	●	●	●	●	●
Maximum Number of AP Supported	○	○	○	○	10/50 <sup>*</sup>	10/50 <sup>*</sup>	10/100 <sup>*</sup>	20/250 <sup>*</sup>	20/500 <sup>*</sup>	20/1500 <sup>*</sup>
Bandwidth Usage Monitor	●	●	●	●	●	●	●	●	●	●
QoS for VoIP and E-commerce	●	●	●	●	●	●	●	●	●	●
User Groups Bandwidth Control	○	○	○	○	●	●	●	●	●	●
Web Blocking	○	○	○	○	●	●	●	●	●	●
LAN Ports	4 (GbE)	4 (GbE)	4 (GbE)	4 (GbE)	1 (GbE)	1 (GbE)	1 (GbE)	1 (GbE)	1 (GbE)	8 (GbE) / 2 (10 GbE) <sup>^</sup>
1U Rackmount	○	○	●	●	●	●	●	●	●	●
High Availability	○	○	●	●	●	●	●	●	●	●
LAN Bypass	○	○	○	○	○	○	●	●	●	●
Dual Hot Swap Power Supply	○	○	○	○	○	○	○	○	○	●

<sup>1</sup> For a list of supported modems, please refer to: <http://www.peplink.com/modem> <sup>2</sup> Recommendation for sizing purposes only. No software restrictions applied. <sup>3</sup> Number of peer Peplink or Pepwave devices you can connect using SpeedFusion. <sup>#</sup> SpeedFusion is available as an optional feature. <sup>\*</sup> Balance 305, 380 & 580, 710 & 1350 comes with free license to manage ten, twenty Pepwave AP devices respectively. To manage additional AP, an optional WLAN Controller license purchase is required. <sup>^</sup> Balance 2500 is available in two configurations with different LAN interfaces. BPL-2500 is equipped with 8 (GbE) LAN ports and supports LACP (802.3ad) NIC bonding. BPL-2500-SFP is equipped with two 10G SFP+ LAN ports.

## Features

### WAN

Support for PPPoE, Static IP, DHCP  
WAN Link Health Check  
Bandwidth Allowance Monitor  
USB 4G LTE/3G Modem Support  
Support for Dynamic DNS Services  
IPv6 Support

### LAN

DHCP Server for LAN Clients  
Extended DHCP Options  
DHCP Reservation  
DNS Proxy for LAN Clients

### Load Balancing

Intelligent Failover  
Session Persistence  
Per-Service Load Distribution  
Multiple Algorithms

### Complete VPN Solution

PepVPN/SpeedFusion  
Site-to-Site VPN  
Bandwidth Aggregation  
Intelligent Failover  
256-bit AES Encryption  
Pre-shared Key Authentication  
Dynamic Routing  
PPTP VPN Server  
RADIUS, LDAP Authentication  
IPsec VPN (Network-to-Network)

### Advanced QoS

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

### 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

### Device Management

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

### Security

Stateful Firewall  
DoS Prevention

### DNS

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

### WLAN Controller

Support for Pepwave AP Series  
Customizable Captive Portal  
Auto AP Provisioning  
Auto AP Discovery  
Auto AP Firmware Management  
AP Profile Configuration

Specifications vary across different Balance models. For the most updated specifications, please refer to our website: <http://www.peplink.com/balance/>



[www.peplink.com](http://www.peplink.com)

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### United States Office

800 West El Camino Real,  
Mountain View, CA 94040  
United States

### Italy Office

T: +39 02 8986 6852  
E: [italy-sales@peplink.com](mailto:italy-sales@peplink.com)

### Saudi Arabia Office

T: +966 554845359  
E: [sa-sales@peplink.com](mailto:sa-sales@peplink.com)

### South Africa Office

T: +27 12 665 5829  
E: [za-sales@peplink.com](mailto:za-sales@peplink.com)

### Hong Kong Office

T: +852 2990 7600  
E: [hk-sales@peplink.com](mailto:hk-sales@peplink.com)

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