

PePLink Overview

The PePLink Balance Series, through balancing, link aggregation, and automatic failover across multiple inexpensive and available Internet Links, provides simple cost-effective solutions that assure high Internet connection performance and availability.

Features and Functionality

Link Aggregation & Load Balance

- ▶ PePLink Balance combines the bandwidth and balances the load across two (Balance 200) or three (Balance 300) or seven (Balance 700) internet links.
- ▶ Bandwidth combination enhance throughput.
- ▶ Multiple Internet links provide redundancy and improves network availability.

Load Balance	Availability	Downtime
No PePLink	90%	36.5 days / year 10%
PePLink Balance 200 (2 WANs)	99.00% $1 - (1-90\%) \times (1-90\%)$	3.65 days / year 1%
PePLink Balance 300 (3 WANs)	99.9% $1 - (1-90\%) \times (1-90\%) \times (1-90\%)$	8.76 hours / year 0.1%
PePLink Balance 700 (7 WANs)	99.99% $1 - (1-90\%) \times (1-90\%) \times (1-90\%) \times (1-90\%) \times (1-90\%) \times (1-90\%) \times (1-90\%)$	5.26 minute / year 0.00001%

- ▶ Compatibility with economical and commonly available types of Internet links, such as Cable and DSL, keep running costs under control.

Authoritative DNS & Inbound Load Balance

- ▶ Authoritative DNS is built into PePLink Balance.
- ▶ DNS resolution balances inbound request among multiple host servers associated with the same hostname based on traffic load and volume.

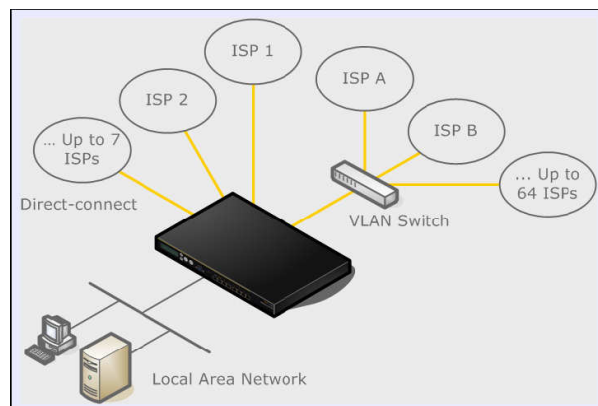
Intelligent & Automatic Failover

- ▶ Regular health checks ensure up-to-date link statuses. In case of a link failure, PePLink Balance automatically re-routes traffics to a healthy link to provide continues Internet service.

Increase your Internet availability to above 99%

PeP'link

The PePLink Balance Series is a complete Internet Link Load Balance solution suite that caters to a diverse range of business environments, from Home Offices up to Large Enterprises, and consists of the Balance 200, 300, and 700 Models.



Balance series can help to resolve network availability issues; it can be configure to take in up to 64 ISPs.

PePLink Balance 200



- ▶ Up to 2 Internet Links
- ▶ Home Office to Small Enterprise environments

PePLink Balance 300



- ▶ Up to 3 Internet Links
- ▶ Small to Medium Enterprise environments

PePLink Balance 700



- ▶ Up to 7 Internet Links
- ▶ Medium to Large Enterprise environments

A b o u t P e P L i n k

Quality of Service for VoIP, SIP and Vonage®

- ▶ PePLink Balance intelligently detects and transparently distributes VoIP call sessions across all of the available Internet links. Voice calls become clearer and sound quality is improved. Enjoy!

Stateful Firewall

- ▶ PePLink Balance provides a rule-based firewall that supports an unlimited number of rules.

Drop-in Mode

- ▶ With Drop-in Mode, the installation of PePLink Balance does not require any changes on the network configuration and is known as Transparent Bridge Mode.
- ▶ Installation of PePLink Balance via Drop-in Mode is best suited for customers with an existing router and firewall. PePLink Balance is "Dropped In" between the two existing device; additional Internet links are then added.

Hardware High Availability (HA)

- ▶ A pair of PePLink Balance units can be deployed in an Active / Hot-standby HA hardware configuration via VRRP (Virtual Router Redundancy Protocol).
- ▶ Two PePLink Balance units in HA configuration. In case of failure with the Active unit, the Hot-standby unit becomes active and provides continuous service.

Pre-service Load Distribution / Weight Control

- ▶ Outbound traffic over the available Internet Links can be distributed based on configurable proportions.
- ▶ Distribution of each traffic type can be independently configured according to protocol and port number.

Session Persistence / Session Binding

- ▶ PePLink Balance supports Internet services, such as secure web that require clients to maintain the same IP address throughout a session.

Multiple WAN IP and Subnet Support

- ▶ Fixed IP subnets are fully supported to facilitate leasing blocks of public IP addresses from ISPs.
- ▶ Maximum support up to 64 Internet / WAN links via VLAN (future software upgrade) for Medium to Large enterprise environments.

Balance Series Specifications

Functionality and Compatibility

LAN

- Built-in DHCP Server for LAN Clients

WAN

- DHCP, PPPoE, GRE, and Static IP
- Inbound and Outbound Link Load Balance

Routing

- NAT and IP Forwarding
- Configurable Static Routes

DNS Server

- Built-in authoritative DNS server with support for MX, NS, A, CNAME, and TXT records

Security

- Rules-based Stateful Firewall, with IP Address, Protocol, and Port Filtering
- DMZ (Demilitarized Zone)

Device Management

- Wizard & Menu Driven Web-based Administration Interface over HTML SSL
- Remote Reporting and Management
- Configuration Upload and Download

Hardware Specification

LAN Interface

- Balance 200 & 300: 4-Port 100Mbps Ethernet Switch

WAN Interface

- Balance 200: 2 Ethernet Ports (100Mbps)
- Balance 300: 3 Ethernet Ports (100Mbps)

Power Input

- AC Input 100-240V

Certifications

- FCC, CE

Form Factor and Miscellaneous

Dimensions

- Balance 200 & 300: 243(W) x 159(D) x 32(H) mm / 9.57" x 6.25" x 1.26"

Weight

- Balance 200 & 300: 550 g / 1.2 lb

Operating Environment

- Operating Temperature: 0°C to 50°C / 32°F to 122°F
- Relative Humidity: 10% to 90% (Non-condensing)

Warranty

- Two-year Limited Warranty