

PePLink Balance 200/300

Affordable Enterprise-Grade Link Load Balancer



Overview

The PePLink Balance product set provides a cost effective solution for link aggregation and load balancing of multiple network links, improving link utilization and throughput, and assuring high network availability. The PePLink Balance 200 enables link aggregation and load balancing across two network links; the PePLink Balance 300 enables this functionality over three network links.

Not every link load balancer is created the same. Advanced , such as inbound load balancing, session persistence (binding), rule-based stateful firewall, server load balancing and authoritative DNS, make the Balance an ideal one-box solution for a small business or a branch office. With the Balance series, Service Providers can provision highly available, feature rich, yet cost effective, multi-network service configurations for their customers.

Highlights

WAN Dynamic Link Aggregation and Load Balancing

The PePLink Balance series devices aggregate and load balance two (Balance 200) or three (Balance 300) popular Internet links (e.g. Cable, DSL, Metro-Ethernet). A high speed Internet pipe is available seamlessly and instantly! Link utilization is increased, resulting in cost savings, while link redundancy is made available to enhance network availability. Private line configurations are also supported.

Session Persistence (Binding)

The Balance supports Internet services that require clients to use the same IP address throughout an application session, for example, an Internet banking service application.

Intelligent Fail-over

The Balance performs regular health checks to ensure good connectivity of all links. In case of link failure, traffic will be automatically re-routed to a healthy link to ensure continuous service.

Drop-in Mode

Also known as bridge or transparent mode, deployment of the Balance does not require any network configuration changes. This installation method is best suited for customers who already have a router/firewall setup in place.

High Availability Support (VRRP)

Two Balance devices can be deployed in an active-hot-standby configuration using VRRP (Virtual Router Redundancy Protocol).

Inbound Load Balancing and Authoritative DNS

An authoritative DNS server is built into the Balance to support load balancing of your public servers. No limit is imposed on the number of host/domain names supported!

Multiple WAN IPs (or Subnet) Support

Fixed IP subnets are fully supported, to enable customers to lease a block of public IP addresses from their ISP.

Per Service Load Distribution (Weight) Control

Outbound traffic flow can be controlled according to application type by configuring specific traffic, such as ERP or VoIP, to use a designated link.

Stateful Firewall

The Balance provides a rule-based firewall, with no limits on the number of rules that can be created.

Server Load Balancing

The Balance can distribute traffic based on host load and traffic volume.

IPSec VPN (3DES, DES) *to be available in a future release

Dual FLASH

Dual FLASH increases firmware upgrade flexibility and reduces risk.

Web Interface

A Wizard & Menu Driven Web User Interface allows simple configuration of even the most complex features.

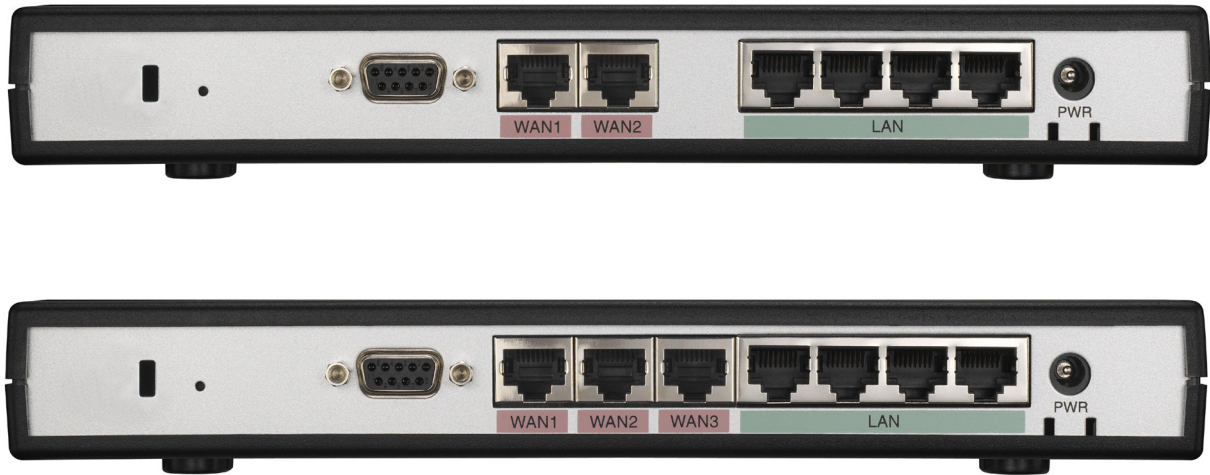
Activate Changes without Reboot

The advanced design allows activating configuration changes on-the-fly. No system reboot is required.

Low Heat, Fanless Operation

Last but not least, the Balance generates minimal heat. It is fanless and consumes 3.1W of electricity when in full operation. This is an environmentally friendly device!

PeP link



PePLink Balance 200/300 Configurations

Models	PePLink Balance 200	PePLink Balance 300
Processor	ARM9 (185MIPS)	
Memory	2x 8MB Dual FLASH, 32MB RAM	
WAN	2 Fast Ethernet Ports	3 Fast Ethernet Ports
LAN	4-Port Fast Ethernet Switch	
Monitor	Hardware Watchdog	
Console	DB-9 Serial Connector	
OS	Linux 2.4	
WAN Protocols	DHCP, PPPoE, GRE, Static IP	
Dimensions	243W x 159D x 32H (mm)	
Weight	545g (+/-5)	
Power	AC Input 100-240V, DC Output 9V	
Certifications	FCC, CE	

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