

Balance

5000 EC



Meet the Next Generation **Enterprise Router**

Speed, Reliability and Raw Performance

Extreme Performance

The Core Router for Large Enterprises

A true enterprise powerhouse, built to handle the most demanding networks. With up to 110 Gbps of total stateful throughput, it delivers seamless multi-site connectivity and multi-cloud networking. Whether it's for **large-scale deployments** or **mission-critical operations**, the Balance 5000 EC will keep your enterprise running at full capacity — without compromise.

Up to
110 Gbps
Total Throughput

Cloud-Based
InControl 2
Remote Management Platform

SpeedFusion
Pushed to its Absolute Limits

Balance 5000 EC



SpeedFusion

Full-Speed Protection for SD-WAN Network

Speed alone isn't enough — resiliency is just as important. Peplink's SpeedFusion technology intelligently bonds multiple connections for seamless, fail-proof networking. Say goodbye to packet loss, disruptions, and slow failovers — as your network stays on and runs at full speed.



Up to

30 Gbps

SpeedFusion VPN Throughput



Future-Proof, High-Speed Interfaces for Scalable Networks

40G/100G QSFP

Built for ultra-high-speed data center backbones, large-scale data aggregation, and seamless core network scaling.

25G/10G SFP

Ideal for high-speed fiber interconnects between regional hubs, enterprise WANs, core switches, and direct cloud on-ramps.

2.5G/1G Ethernet

Optimized for LAN aggregation, Wi-Fi access points, access switches and high-performance workstations.



Balance 5000 EC



Built for 24/7 Uptime
Enterprise-Grade Reliability



Dual Hot-Swappable Power Supplies
Ensure nonstop operations with backup power sources.



High Availability
Hardware redundancy for mission-critical operations.



LAN Bypass for Uninterrupted Traffic
Keep your network running smoothly during unexpected downtime.

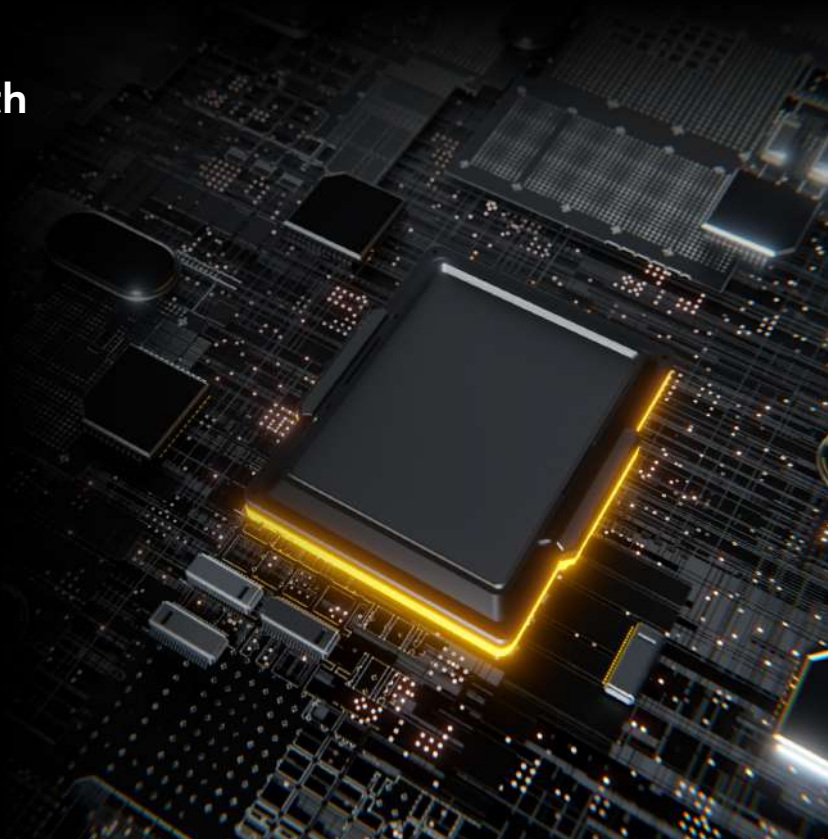
Empower Enterprise Networks with Intelligent Edge Computing

Real-Time **Data Processing**

Analyze, filter, and optimize traffic before reaching core infrastructure, reducing latency and improving efficiency.

Seamless **Application Hosting**

Run Docker and KVM virtual machines directly on the router, enabling security tools, traffic monitoring, network automation, and analytics apps at the edge.



Balance 5000 EC (40G)



2x

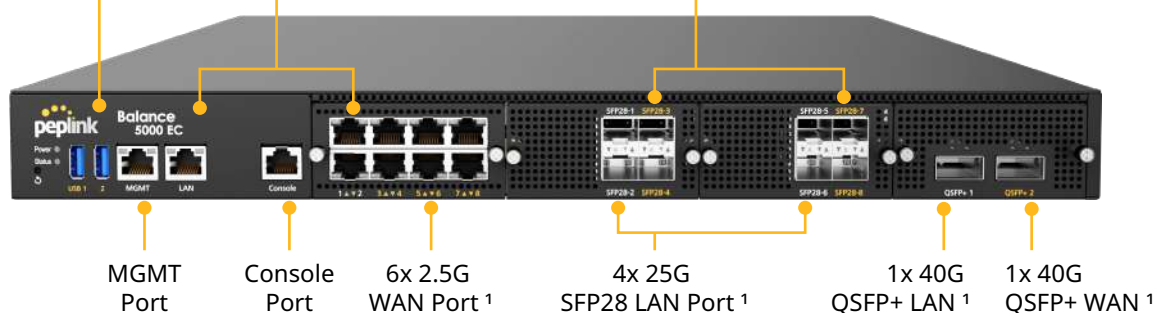


Dual Power Supplies

2x USB WAN

3x 2.5G LAN Port ¹

4x 25G SFP28 WAN Port ¹



MGMT Port

Console Port

6x 2.5G WAN Port ¹

4x 25G SFP28 LAN Port ¹

1x 40G QSFP+ LAN ¹

1x 40G QSFP+ WAN ¹

Specifications

WAN Interface	Up to 8 x 10/100/1000/2500M Ethernet ¹ Up to 8 x 25G SFP28 ¹ Up to 2 x 40G QSFP+ ¹ 2x USB Interface	LAN Bypass	Yes ²
LAN Interface	Up to 9 x 10/100/1000/2500M Ethernet ¹ Up to 8 x 25G SFP28 ¹ Up to 2 x 40G QSFP+ ¹	Remote User Access	Yes
Router Throughput	70 Gbps	LACP (802.3ad) NIC Bonding	Yes
SpeedFusion VPN Throughput - No Encryption	30 Gbps	Dual Hot Swap Power Supply	Yes
- 256-bit AES	30 Gbps	1U Rack-mount	Yes
Recommended Users	10000 - 20000+	Power Input	AC Input 110V - 240V
Number of SpeedFusion VPN Peers	4000	Power Consumption	196W (nominal), 596W (max.)
Maximum Number of AP Supported	2000	Dimensions	17.2 x 25.6 x 1.73 inches / 438 x 650 x 44 mm
SpeedFusion Features	Hot Failover, Smoothing, Bandwidth Bonding	Weight	52.8 pounds / 24 kg
Central Management	InControl 2	Operating Temperature	32°– 104° F / 0°– 40° C
Drop-In Mode	Yes	Humidity	10% to 90% (non-condensing)
High Availability	Yes	Certifications	FCC, CE, RoHS
Content Filtering	Full	Package Content	1x Balance 5000 EC (40G) 2x Power Cords 1x Ethernet cable 1x Rack Mount Rails 1x Short Ear Rack Mount Kit with screws
Peplink AP Series Management	Yes	Warranty	1-Year Limited Warranty
Remote AP & Multiple Config Profiles Management	Yes		

¹ SFP28 port 1,2,5,6, QSFP+ port 2 and Ethernet port 3-8 are configured as WAN ports ; SFP28 port 3,4,7,8, QSFP+ port 1 and Ethernet port 1-2 are configured as LAN ports. WAN/LAN Configuration is changeable on the Web Admin.

² LAN Bypass is available for internet traffic from LAN 1 to WAN 3 and from LAN 2 to WAN 4.

Specifications are subject to change without notice.

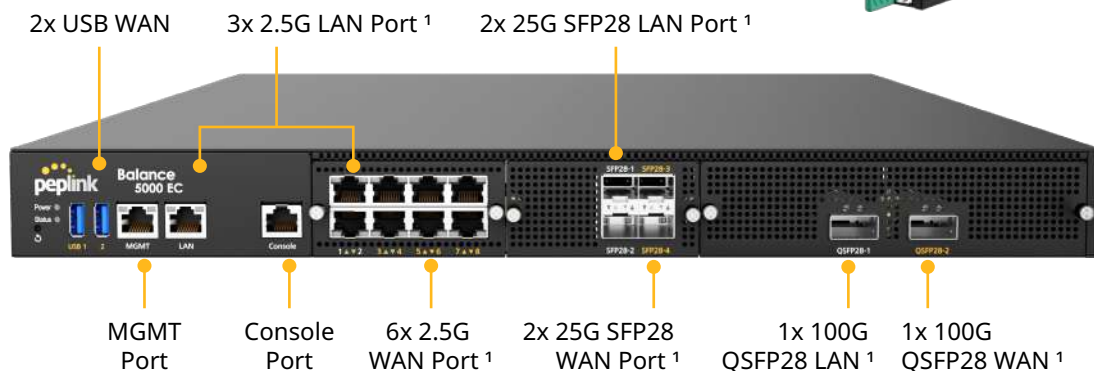
Balance 5000 EC (100G)



2x



Dual Power Supplies



Specifications

WAN Interface	Up to 8 x 10/100/1000/2500M Ethernet ¹ Up to 4 x 25G SFP28 ¹ Up to 2 x 100G QSFP28 ¹ 2x USB Interface	LAN Bypass	Yes ²
LAN Interface	Up to 9 x 10/100/1000/2500M Ethernet ¹ Up to 4 x 25G SFP28 ¹ Up to 2 x 100G QSFP28 ¹	Remote User Access	Yes
Router Throughput	110 Gbps	LACP (802.3ad) NIC Bonding	Yes
SpeedFusion VPN Throughput - No Encryption - 256-bit AES	30 Gbps 30 Gbps	Dual Hot Swap Power Supply	Yes
Recommended Users	10000 - 20000+	1U Rack-mount	Yes
Number of SpeedFusion VPN Peers	4000	Power Input	AC Input 110V - 240V
Maximum Number of AP Supported	2000	Power Consumption	203W (nominal), 595W (max.)
SpeedFusion Features	Hot Failover, Smoothing, Bandwidth Bonding	Dimensions	17.2 x 25.6 x 1.73 inches / 438 x 650 x 44 mm
Central Management	InControl 2	Weight	52.8 pounds / 24 kg
Drop-In Mode	Yes	Operating Temperature	32°– 104° F / 0°– 40° C
High Availability	Yes	Humidity	10% to 90% (non-condensing)
Content Filtering	Full	Certifications	FCC, CE, RoHS
Peplink AP Series Management	Yes	Package Content	1x Balance 5000 EC (40G) 2x Power Cords 1x Ethernet cable 1x Rack Mount Rails 1x Short Ear Rack Mount Kit with screws
Remote AP & Multiple Config Profiles Management	Yes	Warranty	1-Year Limited Warranty

¹ SFP28 port 1,2, QSFP28 port 2 and Ethernet port 3-8 are configured as WAN ports ; SFP28 port 3,4, QSFP28 port 1 and Ethernet port 1-2 are configured as LAN ports.
WAN/LAN Configuration is changeable on the Web Admin.

² LAN Bypass is available for Internet traffic from LAN 1 to WAN 3 and from LAN 2 to WAN 4.

Specifications are subject to change without notice.

Ordering Information

Product Code	Description
BPL-5000-EC-40G-PRM	Balance 5000 EC (40G)
BPL-5000-EC-100G-PRM	Balance 5000 EC (100G)

Featured Add-on

Product Code	Description
PRM-W-1Y / PCP-W-1Y	PrimeCare W / PrimeCare+ W (1-Year)
PRM-W-2Y / PCP-W-2Y	PrimeCare W / PrimeCare+ W (2-Year)
PRM-W-4Y / PCP-W-4Y	PrimeCare W / PrimeCare+ W (4-Year)