

Balance

5000 EC

TAA
COMPLIANT



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

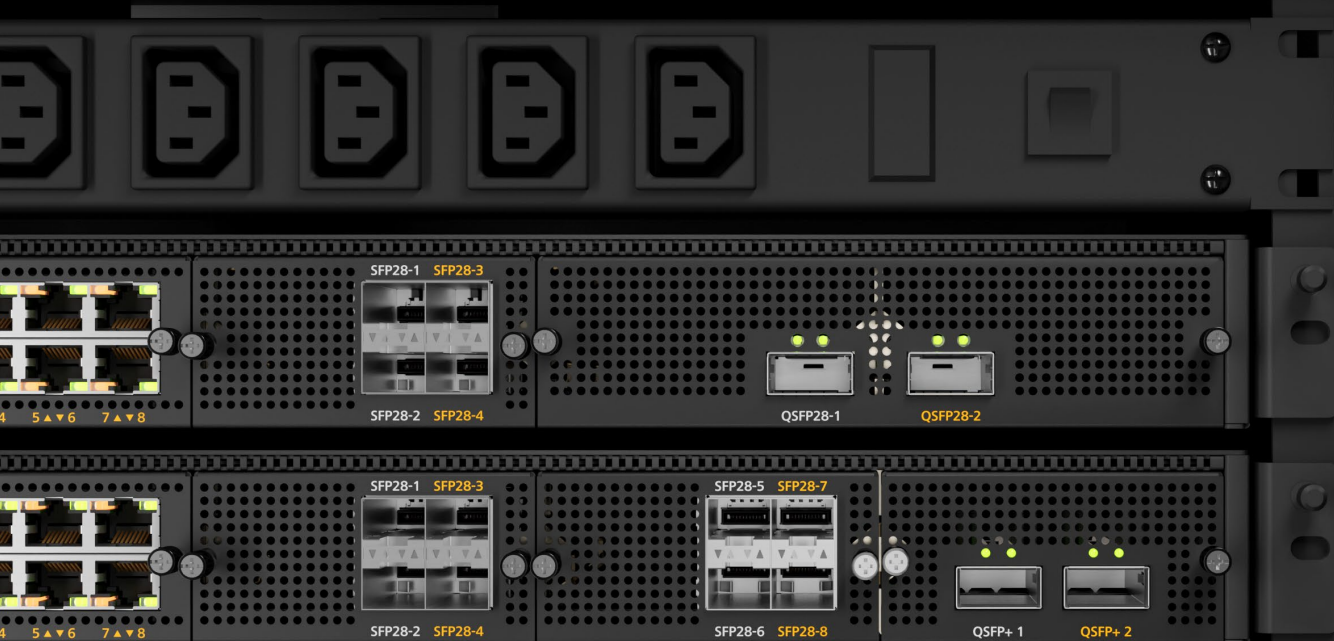
Ideal for high-speed fiber interconnects between regional hubs, enterprise WANs, core switches, and direct cloud on-ramps.

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**

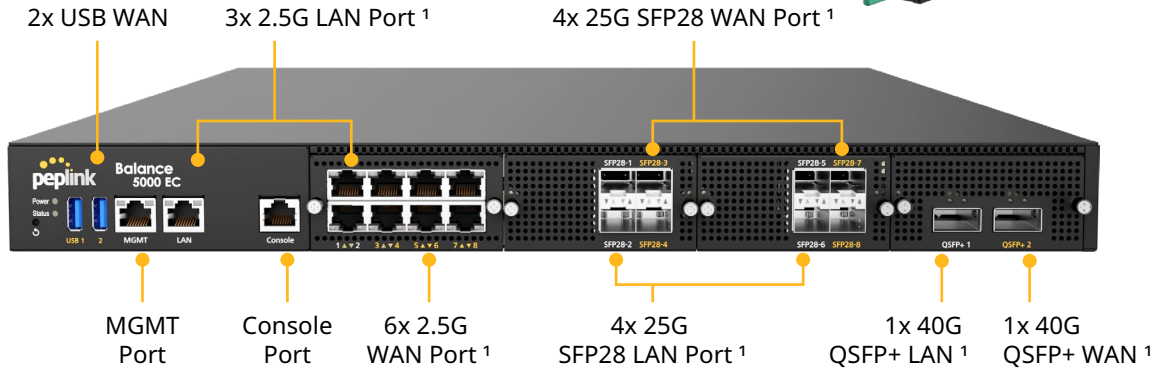
Analyze, filter, and optimize traffic before reaching core infrastructure, reducing latency and improving efficiency.

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)



Specifications

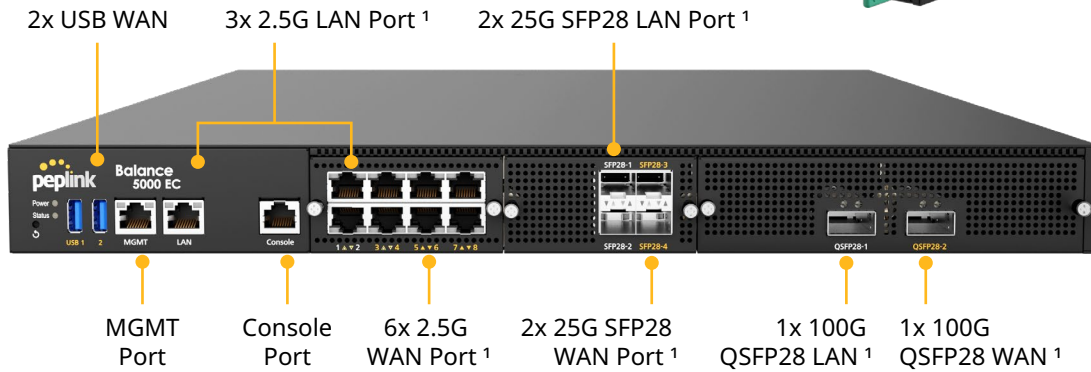
| | | | |
|--|---|-----------------------------------|---|
| WAN Interface | Up to 8 x 10/100/1000/2500M Ethernet ¹ Up to 8 x 25G SFP28 ¹ Up to 2 x 40G QSFP+ ¹ 2x USB Interface | Edge Computing | 2x 1TB SSD |
| LAN Interface | Up to 9 x 10/100/1000/2500M Ethernet ¹ Up to 8 x 25G SFP28 ¹ Up to 2 x 40G QSFP+ ¹ | LAN Bypass | Yes ² |
| Router Throughput | 70 Gbps | Remote User Access | Yes |
| SpeedFusion VPN Throughput - No Encryption | 30 Gbps | LACP (802.3ad) NIC Bonding | Yes |
| - 256-bit AES | 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 - 220V |
| Maximum Number of AP Supported | 2000 | Power Consumption | 196W (nominal), 596W (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 3,4,7,8, QSFP+ port 2 and Ethernet port 3-8 are configured as WAN ports ; SFP28 port 1,2,5,6, 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)



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 | Edge Computing | 2x 1TB SSD |
| 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 | LAN Bypass | Yes ² |
| Router Throughput | 110 Gbps | Remote User Access | Yes |
| SpeedFusion VPN Throughput - No Encryption | 30 Gbps | LACP (802.3ad) NIC Bonding | Yes |
| - 256-bit AES | 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 - 220V |
| 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 (100G) 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 3,4, QSFP28 port 2 and Ethernet port 3-8 are configured as WAN ports ; SFP28 port 1,2, 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) |