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Balance
5000 EC

40G

100G

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

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SpeedFusion
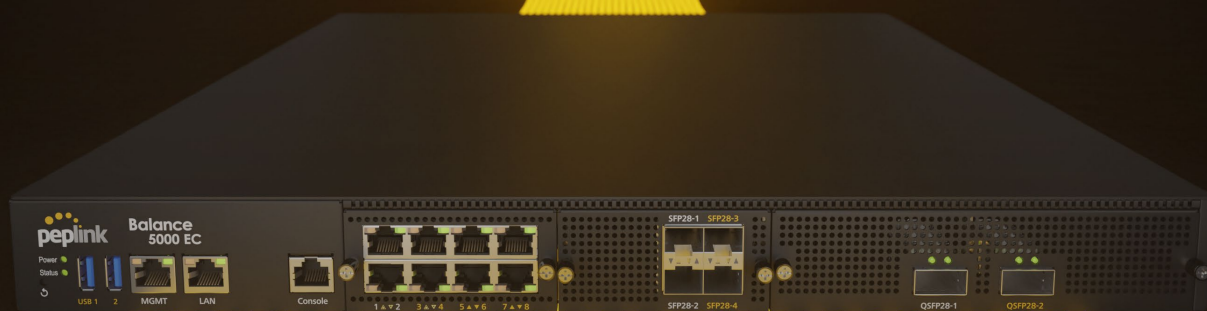### Full-Speed Protection for SD-WAN Network

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.
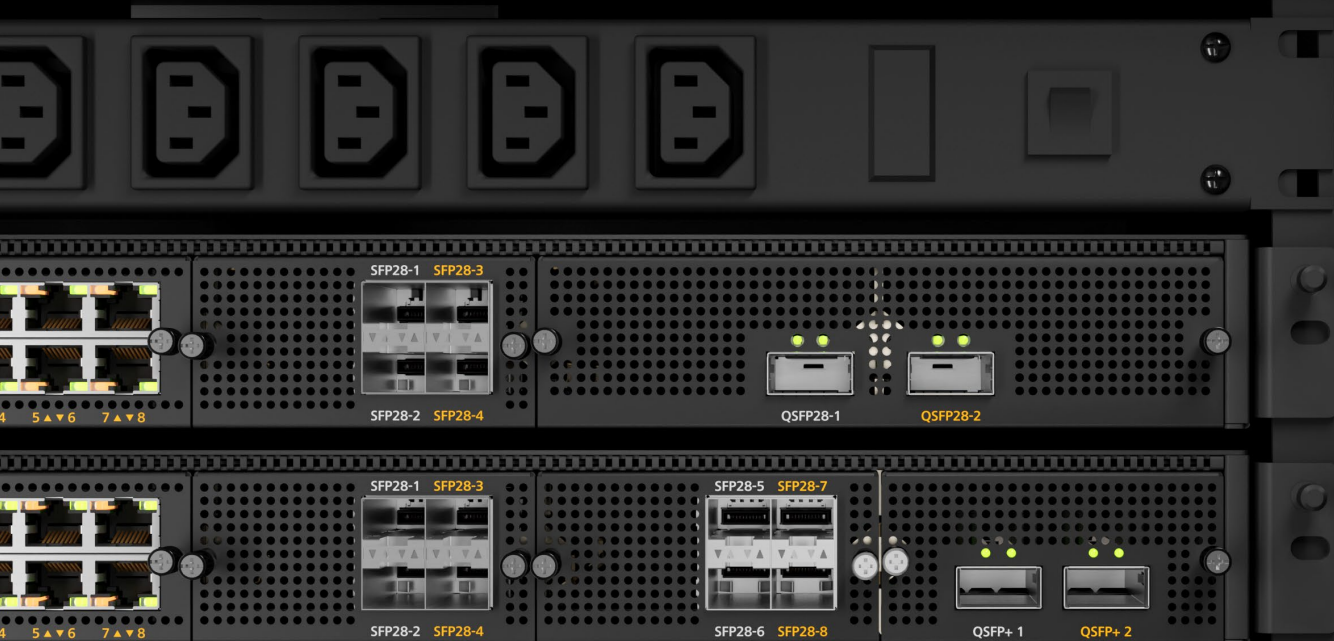
25G/10G SFP
Ideal for high-speed fiber interconnects between regional hubs, enterprise WANs, core switches, and direct cloud on-ramps.

2.5G/1G Ethernet
Optimized for LAN aggregation, Wi-Fi access points, access switches and high-performance workstations.

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Port labels (top module): SFP28-1, SFP28-3, SFP28-2, SFP28-4, QSFP28-1, QSFP28-2

Port labels (bottom module): SFP28-1, SFP28-3, SFP28-5, SFP28-7, SFP28-2, SFP28-4, SFP28-6, SFP28-8, QSFP+ 1, QSFP+ 2

Ethernet port labels: 4, 5▲▼6, 7▲▼8

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
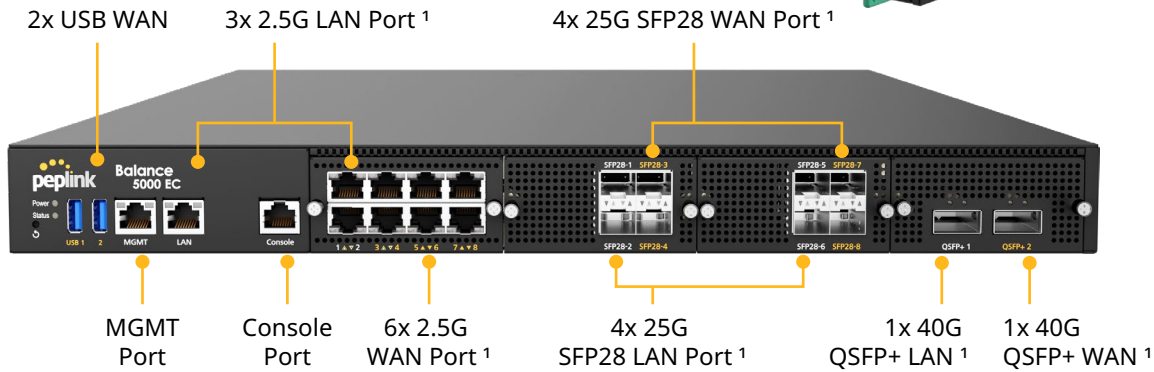
Real-Time Data Processing
Analyze, filter, and optimize traffic before reaching core infrastructure, reducing latency and improving efficiency.

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.

docker **KVM**

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2x **1TB SSD**

Dual Power Supplies

2x USB WAN   3x 2.5G LAN Port [1]   4x 25G SFP28 WAN Port [1]

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Balance 5000 EC
Power
Status
USB 1 2   MGMT   LAN   Console   1▲▼2 3▲▼4 5▲▼6 7▲▼8   SFP28-1 SFP28-3   SFP28-5 SFP28-7   QSFP+ 1   QSFP+ 2
                                                                SFP28-2 SFP28-4   SFP28-6 SFP28-8

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

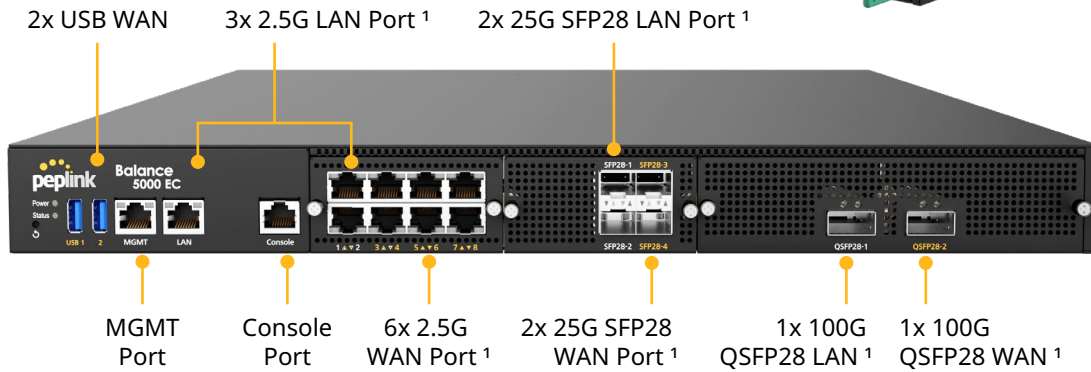|			
WAN Interface	Up to 8 x 10/100/1000/2500M Ethernet [1] Up to 8 x 25G SFP28 [1] Up to 2 x 40G QSFP+ [1] 2x USB Interface	**Edge Computing**	2x 1TB SSD
		LAN Bypass	Yes [2]
		Remote User Access	Yes
LAN Interface	Up to 9 x 10/100/1000/2500M Ethernet [1] Up to 8 x 25G SFP28 [1] Up to 2 x 40G QSFP+ [1]	**LACP (802.3ad) NIC Bonding**	Yes
		Dual Hot Swap Power Supply	Yes
Router Throughput	70 Gbps	**1U Rack-mount**	Yes
SpeedFusion VPN Throughput - No Encryption - 256-bit AES	 30 Gbps 30 Gbps	**Power Input**	AC Input 110V - 220V
		Power Consumption	196W (nominal), 596W (max.)
Recommended Users	10000 - 20000+	**Dimensions**	17.2 x 25.6 x 1.73 inches / 438 x 650 x 44 mm
Number of SpeedFusion VPN Peers	4000	**Weight**	52.8 pounds / 24 kg
Maximum Number of AP Supported	2000	**Operating Temperature**	32°– 104° F / 0°– 40° C
SpeedFusion Features	Hot Failover, Smoothing, Bandwidth Bonding	**Humidity**	10% to 90% (non-condensing)
		Certifications	FCC, CE, RoHS
Central Management	InControl 2	**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
Drop-In Mode	Yes		
High Availability	Yes		
Content Filtering	Full		
Peplink AP Series Management	Yes	**Warranty**	1-Year Limited Warranty
Remote AP & Multiple Config Profiles Management	Yes		

[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.

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2x 1TB SSD

Dual Power Supplies

2x USB WAN   3x 2.5G LAN Port [1]   2x 25G SFP28 LAN Port [1]

MGMT Port   Console Port   6x 2.5G WAN Port [1]   2x 25G SFP28 WAN Port [1]   1x 100G QSFP28 LAN [1]   1x 100G QSFP28 WAN [1]

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 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
		LACP (802.3ad) NIC Bonding	Yes
Router Throughput	110 Gbps	**Dual Hot Swap Power Supply**	Yes
SpeedFusion VPN Throughput - No Encryption - 256-bit AES	 30 Gbps 30 Gbps	**1U Rack-mount**	Yes
		Power Input	AC Input 110V - 220V
Recommended Users	10000 - 20000+	**Power Consumption**	203W (nominal), 595W (max.)
Number of SpeedFusion VPN Peers	4000	**Dimensions**	17.2 x 25.6 x 1.73 inches / 438 x 650 x 44 mm
Maximum Number of AP Supported	2000	**Weight**	52.8 pounds / 24 kg
		Operating Temperature	32°– 104° F / 0°– 40° C
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Remote AP & Multiple Config Profiles Management	Yes		

[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.
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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)