

Tech Specs | Enterprise Router

Balance 5000 EC (40G)



Quick Look

Number of Ethernet WAN port	6–8 (2.5GE) ^[1]	[1] WAN 3-8 are configured as WAN ports ; LAN 1-2 are configured as LAN ports. WAN/LAN Configuration is changeable on the Web Admin.
Number of Ethernet LAN port	3–9 (2.5GE) ^[1]	[1] WAN 3-8 are configured as WAN ports ; LAN 1-2 are configured as LAN ports. WAN/LAN Configuration is changeable on the Web Admin.
Router Throughput	70Gbps ^[3]	[3] Router Throughput and PepVPN/SpeedFusion Throughput is based on Ethernet frame sizes of 1280 or 1518 bytes. Actual performance can vary across different networking environments. Figures apply to the latest hardware revision. The throughput result is tested with DHCP/Static IP.
SpeedFusion VPN Throughput (No Encryption)	30Gbps ^[3]	[3] Router Throughput and PepVPN/SpeedFusion Throughput is based on Ethernet frame sizes of 1280 or 1518 bytes. Actual performance can vary across different networking environments. Figures apply to the latest hardware revision. The throughput result is tested with DHCP/Static IP.
SpeedFusion VPN Throughput (256-bit AES)	30Gbps ^[3]	[3] Router Throughput and PepVPN/SpeedFusion Throughput is based on Ethernet frame sizes of 1280 or 1518 bytes. Actual performance can vary across different networking environments. Figures apply to the latest hardware revision. The throughput result is tested with DHCP/Static IP.
Number of Cellular Modem	No	

Interfaces

Maximum Ethernet WAN / LAN port configuration	8 WAN with 1 LAN, 0 WAN with 9 LAN	
SFP LAN / WAN	4–8 (25G SFP28) WAN, ^[2] 4–8 (25G SFP28) LAN, 1–2 (40G QSFP+) WAN, 1–2 (40G QSFP+) LAN	[2] SFP+ 1,2,5,6, QSFP+ 2 are configured as WAN ports ; SFP28 3,4,7,8, QSFP+ 1 are configured as LAN ports. WAN/LAN Configuration is changeable on the Web Admin.
Serial Interface	No	
Wi-Fi AP	No	

Wi-Fi WAN	No
USB WAN	Yes (2x USB)
Module Expansion	No

Performance

Maximum Number of Controlled AP / Switch	2000
Number of Recommended Users	10000–20000+

Wireless details

Cellular Modem Category options	No
5G support	No
SIM Slots	No
SIM Card Size	No
Wi-Fi Radio	No
Wi-Fi Antenna Transmit Power (2.4GHz, single chain)	No
Wi-Fi Antenna Transmit Power (5GHz, single chain)	No
Multiple SSIDs	No
GPS	No
RemoteSIM (used in SIM Injector)	No
FusionSIM	No
Peplink eSIM Data Plans	No
BYO eSIM	No

Features

SpeedFusion Hot Failover	Yes	
SpeedFusion Smoothing	Yes	
SpeedFusion Bandwidth Bonding	Yes	
SpeedFusion Connect	Yes ^[4]	[4] CarePlan subscription includes 2.5TB/year complimentary SpeedFusion Connect Usage data.
SpeedFusion Relay Mode (Server)	Yes	
Drop-In Mode	Yes	
High Availability	Yes	
Peplink AP Series Management	Yes	
Remote AP & Multiple Config Profiles Management	Yes	
Switch Controller	Yes	
WAN as LAN	Yes	
LAN Bypass	Yes ^[5]	[5] LAN Bypass is available for Internet traffic from LAN 1 to WAN 3 and from LAN 2 to WAN 4.
InTouch	Yes	
Virtual WAN	Yes ^[6]	[6] 1 Virtual WAN complimentary with active PrimeCare. Up to 40 Virtual WAN if purchasing Virtual WAN Activation Licence.
Synergy Mode (Controller)	Yes	
Synergized Device	Yes	
Application and Web Blocking	Yes	
Web Content Filtering	Full	
IP Passthrough	Yes	
IPv6	Yes	



x.509 Certificate	Yes	
Captive Portal	Yes	
GPIO	No	
Ignition Sensing	No	
Netflow Support	Yes	
LACP (802.3ad) NIC Bonding	Yes	
Jumbo Frame Support	Yes	
Internal Storage for Edge Computing	Yes (2x 1TB) ^[7]	^[7] Support Application, KVM, Docker.
External Storage via USB Port	Yes ^[8]	^[8] Require Firmware 8.4.0 or above. Support Docker and KVM.
Dead Reckoning	No	

Core Functionality

Inter-VLAN Routing	Yes	
802.1q VLANs Supported	1024	
Port-Based VLAN	Yes	
Load Balancing & Failover	Yes	
Load Balancing Algorithms	8	
Inbound Load Balancing	Yes	
InControl 2 Cloud Management	Yes	
InControl GPS Fleet Management	No	

Advanced QoS Functionality

Bandwidth Usage Monitoring	Yes	
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QoS for VoIP and E-Commerce	Yes
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User Groups Bandwidth Control	Yes
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VPN Functionality

SpeedFusion VPN	Yes
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Number of SpeedFusion VPN Peers	4000
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IPsec VPN	Yes
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Number of IPsec Tunnels	800
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L2TP VPN / Open VPN / PPTP VPN Server	Yes
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Maximum PPTP / L2TP / OpenVPN Users	1000
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Remote RADIUS / LDAP authentication in Remote User Access	Yes
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Number of OpenVPN Tunnel (Site to Site)	5
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Number of GRE Tunnel (Site to Site)	5
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Hardware

Enclosure	Indoor, Metal
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4pin Molex Micro-Fit Connector	No
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Terminal Block Power Connector for Mobile / Vehicular Deployment	No
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AC Adapter or PSU	2x Power Cord
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Input voltage	AC 110–220V
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PoE Input	No
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PoE Output	No
USB Power Input	No
Nominal Power Consumption	196W
Maximum Power Consumption	596W
Dimensions in inches	17.2 x 25.6 x 1.73 inches
Dimensions in mm	438 x 650 x 44 mm
Weight (Pound)	52.8 pounds
Weight (Gram / Kilogram)	24 kg
Operating Temperature	32°–104 °F, 0°–40°C
Humidity	5%–95% (non-condensing)
Rack-mount	1U
Dual Hot Swap Power Supply	Yes

Warranty Info

Warranty	1-Year Limited Warranty
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