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**	

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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**

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Features

SpeedFusion Hot Failover	**Yes**
SpeedFusion Smoothing	**Yes**
SpeedFusion Bandwidth Bonding	**Yes**
SpeedFusion Connect	**Yes** [4]
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]
InTouch	**Yes**
Virtual WAN	**Yes** [6]
Synergy Mode (Controller)	**Yes**
Synergized Device	**Yes**
Application and Web Blocking	**Yes**
Web Content Filtering	**Full**
IP Passthrough	**Yes**
IPv6	**Yes** [7]

[4] CarePlan subscription includes 2.5TB/year complimentary SpeedFusion Connect Usage data.

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

[6] 1 Virtual WAN complimentary with active PrimeCare. Up to 40 Virtual WAN if purchasing Virtual WAN Activation Licence.

[7] Support IP Passthrough mode.

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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)** [8]
External Storage via USB Port	**Yes** [9]
Dead Reckoning	**No**

[8] Support Application, KVM, Docker.

[9] Require Firmware 8.4.0 or above. Support Docker and KVM.

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**
User Groups Bandwidth Control	**Yes**

VPN Functionality

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

Hardware

Enclosure	**Indoor, Metal**
4pin Molex Micro-Fit Connector	**No**
Terminal Block Power Connector for Mobile / Vehicular Deployment	**No**
AC Adapter or PSU	**2x Power Cord**
Input voltage	**AC 110–220V**
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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