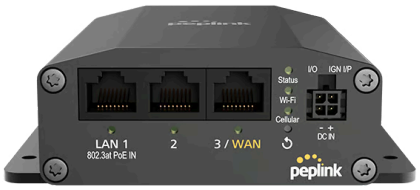
Tech Specs | Mobility

BR1 Mini 5G (Wi-Fi)



Quick Look

Number of Ethernet WAN port	**0 / 1 (GE)** [1]	[1] Available with PrimeCare Subscription, complimentary for the first year. PrimeCare Enables Ethernet WAN, Wi-Fi WAN, Hot Failover, and Smoothing. Alternatively, without a PrimeCare Subscription, Feature pack license (MAX-BR1-MINI-FP) is required to activate the perpetual license for the aforementioned features.
Number of Ethernet LAN port	**3 / 2 (GE)** [1]	[1] Available with PrimeCare Subscription, complimentary for the first year. PrimeCare Enables Ethernet WAN, Wi-Fi WAN, Hot Failover, and Smoothing. Alternatively, without a PrimeCare Subscription, Feature pack license (MAX-BR1-MINI-FP) is required to activate the perpetual license for the aforementioned features.
Router Throughput	**300Mbps** [2]	[2] 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)	**80Mbps** [2]	[2] 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)	**60Mbps** [3]	[3] 60 Mbps by default for Firmware 8.4.1 or above.
Number of Cellular Modem	**1**	

Interfaces

Maximum Ethernet WAN / LAN port configuration	**1 WAN with 2 LAN, 0 WAN with 3 LAN**
SFP LAN / WAN	**No**
Serial Interface	**No**
Wi-Fi AP	**Yes**

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Wi-Fi WAN	**Yes** [1]
USB WAN	**No**
Module Expansion	**No**

[1] Available with PrimeCare Subscription, complimentary for the first year. PrimeCare Enables Ethernet WAN, Wi-Fi WAN, Hot Failover, and Smoothing. Alternatively, without a PrimeCare Subscription, Feature pack license (MAX-BR1-MINI-FP) is required to activate the perpetual license for the aforementioned features.

Performance

Number of Recommended Users	**1–60**
Maximum Number of Controlled AP / Switch	**No**

Wireless details

Cellular Modem Category options	**1x 5G**
5G support	**Yes**
SIM Slots	**2**
SIM Card Size	**Nano-SIM (4FF)**
Wi-Fi Radio	**Dual (2.4GHz + 5GHz),** [4] **2x2 Wi-Fi 5**
Wi-Fi Antenna Transmit Power (2.4GHz, single chain)	**20dBm**
Wi-Fi Antenna Transmit Power (5GHz, single chain)	**20dBm**
Cellular Antenna Connectors	**4x SMA Cellular Connectors**
Multiple SSIDs	**16**
GPS	**No**
RemoteSIM (used in SIM Injector)	**Yes**
FusionSIM	**Yes**

[4] Wi-Fi functionality is available with BR1 Mini 5G (HW2).

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Peplink eSIM Data Plans	**Yes**
BYO eSIM	**Yes**

Features

SpeedFusion Hot Failover	**Yes** [1]	[1] Available with PrimeCare Subscription, complimentary for the first year. PrimeCare Enables Ethernet WAN, Wi-Fi WAN, Hot Failover, and Smoothing. Alternatively, without a PrimeCare Subscription, Feature pack license (MAX-BR1-MINI-FP) is required to activate the perpetual license for the aforementioned features.
SpeedFusion Smoothing	**Yes** [1]	[1] Available with PrimeCare Subscription, complimentary for the first year. PrimeCare Enables Ethernet WAN, Wi-Fi WAN, Hot Failover, and Smoothing. Alternatively, without a PrimeCare Subscription, Feature pack license (MAX-BR1-MINI-FP) is required to activate the perpetual license for the aforementioned features.
SpeedFusion Bandwidth Bonding	**Yes** [1]	[1] Available with PrimeCare Subscription, complimentary for the first year. PrimeCare Enables Ethernet WAN, Wi-Fi WAN, Hot Failover, and Smoothing. Alternatively, without a PrimeCare Subscription, Feature pack license (MAX-BR1-MINI-FP) is required to activate the perpetual license for the aforementioned features.
SpeedFusion Connect	**Yes** [5]	[5] PrimeCare subscription includes 500 GB/year complimentary SpeedFusion Connect Usage data.
SpeedFusion Relay Mode (Server)	**Yes**	
Drop-In Mode	**Yes**	
High Availability	**Yes**	
Peplink AP Series Management	**No**	
Remote AP & Multiple Config Profiles Management	**No**	
Switch Controller	**No**	
WAN as LAN	**Yes**	
LAN Bypass	**No**	
InTouch	**Yes**	
Virtual WAN	**Yes** [6]	[6] 1 Virtual WAN complimentary with active PrimeCare. Up to 3 Virtual WAN upon purchasing Virtual WAN Activation Licence.
Synergy Mode (Controller)	**Yes**	

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Synergized Device	**Yes**
Application and Web Blocking	**Yes**
Web Content Filtering	**Lite**
IP Passthrough	**Yes**
IPv6	**No**
x.509 Certificate	**Yes** [7]
Captive Portal	**Yes**
GPIO	**Yes**
Ignition Sensing	**Yes**
Netflow Support	**Yes**
LACP (802.3ad) NIC Bonding	**No**
Jumbo Frame Support	**No**
Internal Storage for Edge Computing	**No**
External Storage via USB Port	**No**
Dead Reckoning	**No**

[7] Require IPsec X.509 Certificate License Key.

Core Functionality

Inter-VLAN Routing	**Yes**
802.1q VLANs Supported	**16**
Port-Based VLAN	**Yes**
Load Balancing Algorithms	**8**
Load Balancing & Failover	**Yes**

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Inbound Load Balancing	**No**
InControl 2 Cloud Management	**Yes**
InControl GPS Fleet Management	**No**

Advanced QoS Functionality

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

VPN Functionality

SpeedFusion VPN	**Yes**
Number of SpeedFusion VPN Peers	**2 or 5** [8]
IPsec VPN	**Yes**
Number of IPsec Tunnels	**5**
L2TP VPN / Open VPN / PPTP VPN Server	**Yes**
Maximum PPTP / L2TP / OpenVPN Users	**3**
Remote RADIUS / LDAP authentication in Remote User Access	**No**
Number of OpenVPN Tunnel (Site to Site)	**5**
Number of GRE Tunnel (Site to Site)	**5**

[8] 2 SpeedFusion VPN Peers are enabled by default. 5 SpeedFusion VPN Peers are enabled with PrimeCare Subscription, complimentary for the first year.

Hardware

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Enclosure	**Compact, Indoor Metal**
4pin Molex Micro-Fit Connector	**Yes**
Terminal Block Power Connector for Mobile / Vehicular Deployment	**No**
AC Adapter or PSU	**AC Input 100V–240V,** [9] **DC Output 12V 2A**
Input voltage	**DC 10–30V**
PoE Input	**Yes**
PoE Output	**No**
USB Power Input	**No**
Nominal Power Consumption	**13W**
Maximum Power Consumption	**18W**
Dimensions in inches	**4.95 x 4.2 x 1.4 inches**
Dimensions in mm	**125.7 x 107 x 35 mm**
Weight (Pound)	**0.93 pounds**
Weight (Gram / Kilogram)	**425 grams**
Operating Temperature	**-40°–149°F, -40°–65°C**
Humidity	**15%–95% (non-condensing)**
Rack-mount	**No**
Dual Hot Swap Power Supply	**No**

[9] Compatible with ACW-632.

Warranty Info

Warranty	**1-Year Limited Warranty**

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