

# MAX BR1 Mini



## Quick Look

Cellular	Ethernet WAN	Ethernet LAN	Router Throughput	SpeedFusion VPN Throughput (No Encryption)	SpeedFusion VPN Throughput (256-bit AES)
1	0/1 (GE) <sup>\$</sup>	3/2 (GE) <sup>\$</sup>	300Mbps	80Mbps	20/60Mbps <sup>^</sup>

### Interfaces

Serial (RS232)	No
Wi-Fi AP	Yes
Wi-Fi WAN	Yes <sup>\$</sup>
USB WAN	No
GPIO	Yes <sup>\$</sup>

### Performance

Recommended Users	1-60
Number of SpeedFusion VPN Peers	2/5 <sup>^</sup>

### Wireless Details

LTE Category Options	CAT 4 CAT 6 CAT 7
Band 71	Yes: CAT 4 and 7 / No: CAT 6
SIM Slots	2
Wi-Fi Radio	Dual (2.4GHz + 5GHz) 2x2 Wi-Fi 5
SIM Card Size	Nano-SIM (4FF)
Transmit Power (2.4GHz, single chain)	20dBm
Transmit Power (5GHz, single chain)	20dBm
Multiple SSIDs	16
Captive Portal	Yes
GPS	Yes

## Features

Ignition Sensing	Yes
Remote SIM (used in SIM Injector)	No
802.11q VLANs Supported	16
Drop-In Mode	Yes
High Availability	Yes
IP Passthrough	Yes
WAN as LAN	Yes
Web Blocking	Yes
Web Filtering Blacklist	Lite
In Control Cloud Management	Yes
GPS Fleet Management	Yes

## VPN Functionality

SpeedFusion VPN	Yes
SpeedFusion Hot Failover	Yes <sup>\$</sup>
SpeedFusion WAN Smoothing	Yes <sup>\$</sup>
SpeedFusion Bandwidth Bonding	Yes <sup>*</sup>
Number of IPsec Tunnels	5
Maximum PPTP/L2TP/ OpenVPN Users	3

## Hardware

Enclosure	Compact, Indoor Metal
Terminal Block Power Connector for Mobile/Vehicular Deployment	Yes
AC Adapter	AC Input 100V-240V DC Output 12V, 2A
Input Voltage	DC 10-30V
PoE Input	1x 802.3at PoE
PoE Output	No
Power Consumption	Max.: 18W Nominal: 13W
Dimensions in inches	4.95 x 4.2 x 1.4 inches
Dimensions in mm	125.7 x 107 x 35 mm
Weight (Pound)	0.95 pounds
Weight (Grams)	430 grams
Operating Temperature	-40° – 149°F -40° – 65°C
Humidity	15% – 95% (non-condensing)

## Certifications

FCC, CE, RoHS	Yes
E-Mark (Motor Vehicle)	Yes
EN 61373 Shock and Vibration Resistance	Yes
EN 50155 Railway Applications – Electronic Equipment used on Rolling Stock	Yes
EN 61000 Electromagnetic Compatibility	Yes
Warranty	1-Year Limited Warranty

[<sup>\$</sup>] Available with PrimeCare Subscription, complimentary for the first year. Enables Ethernet WAN, Wi-Fi WAN, Hot Failover, WAN Smoothing, GPIO and Ignition Sensing. Alternatively, without a valid PrimeCare Subscription, Feature pack license (MAX-BR1-MINI-FP) is required to activate the perpetual license for the aforementioned features.

\*It requires PrimeCare Subscription and Firmware 8.4.0 or above

[<sup>1</sup>] 2 PoE/VPN Ports are enabled by default. 5 PoE/VPN Ports are enabled with PrimeCare Subscription, complimentary for the first year.

[<sup>1</sup>] The frequency range for 2.4GHz and 5GHz are 2412–2472 MHz and 5180–5825 MHz respectively.

[<sup>2</sup>] Recommended user: Recommendation for sizing purposes only. No software restrictions applied.

[<sup>3</sup>] Router Throughput and SpeedFusion VPN 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. x

[<sup>4</sup>] Transmit power can be configured on the Web Admin Interface.

[<sup>5</sup>] Cache Throughput refers to the speed of routing content from disk drive to LAN.