MAX BR1/BR2 IP55

IP55 Outdoor 4G LTE/3G Router

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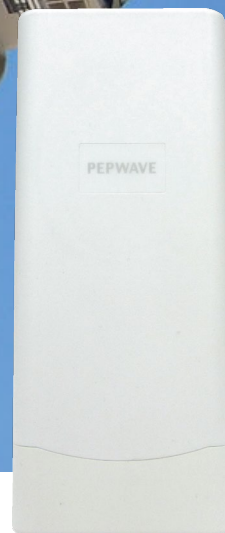
Water-proof	Dust protected	MIMO Directional	MIMO OMNI	

Waterproof IP55 Enclosure

Deploy the BR1 IP55 with confidence in harsh indoor and outdoor environments. Its waterproof IP55 metal enclosure stands up to dust, vibration, and inclement weather, making it a great choice for industrial, emergency, and other heavy-duty applications.

Embedded MIMO & Omni Antennas

Configure your antenna on the fly. The BR1 IP55's built-in MIMO directional and Omni antennas are software selectable, so it's easy to optimize antenna performance at any time.

Built-in PoE & 3-Port Switch

Cut down on cabling and simplify deployments. The BR1 IP55 includes a built-in 3-port LAN switch to reduce clutter and the need for extra equipment. It also offers 802.3af PoE input and output, so one wire is all you need for both connectivity and power you can share with security cameras and other devices.

Features

WAN
Support for PPPoE, Static IP, DHCP
WAN Link Health Check
Bandwidth Allowance Monitor
USB 4G/3G Modem Support
Support for Dynamic DNS services
WAN Port Convertible into LAN Port

LAN
DHCP Server for LAN Clients
Extended DHCP Options
DHCP Reservation
DNS Proxy for LAN Clients
VLAN on LAN Support
Per-Port VLAN Support

Load Balancing*
Intelligent Failover
Session Persistence
Per-Service Load Distribution
Multiple Algorithms

*Available on selected models.

Complete VPN Solution
PepVPN/SpeedFusion Hot Failover/
SpeedFusion Bandwidth Bonding*
  Site-to-Site VPN
  Bandwidth Aggregation*
  Hot Failover
  256-bit AES Encryption
  Pre-shared Key Authentication
  Dynamic Routing
  X.509 Certificate Support*
IPsec VPN (Network-to-Network)
  X.509 Certificate Support*

Advanced QoS
Individual Bandwidth Limit
Application Prioritization
  SIP, HTTPS, VPN QoS
  Custom Application QoS

Networking
NAT and IP Forwarding
Static Routes
Port Forwarding
Many to One, One to One NAT
NAT Pool
SIP ALG, H.323 ALG
UPnP, NAT-PMP

Captive Portal Support*
Support for Wired and Wireless LAN Clients
Support for RADIUS Authentication
Time and Usage Quotas on Open Access Mode
Built-in Customizable Splash Page

Security
Stateful Firewall
DoS Prevention
Web Blocking
Web Filtering Blacklist

Device Management
Web Administrative Interface
Command Line Interface
InControl Cloud Management
Email Notification
Active Client & Session Lists
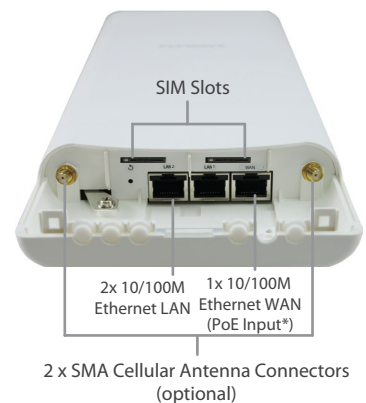Bandwidth Usage Statistics
Syslog Service
SNMP v1, v2c and v3

Works With*

verizon✓   Sprint   at&t   T··Mobile·

Specifications

	MAX BR1 IP55	MAX BR2 IP55
WAN Interface	1x GE 1x Embedded Outdoor LTE Modem	1x GE 2x Embedded Outdoor 3G Modems
LAN Interface	2x GE	
Wi-Fi Interface	802.11b/g/n 300 Mbps Wi-Fi WAN and/or AP	
Router Throughput	100Mbps	
Recommended Users	1-60	
Cellular Antenna Connector	Built-In, Switchable 2dBi Cellular Antenna and 2x SMA Cellular Antenna Connectors	
Power Input	Pepwave Passive PoE: 12V – 48V DC (48V Pepwave Passive PoE Input is Needed for 802.3af or Pepwave Passive PoE Output)#	
Power Output	Up To Two 802.3af or 48V Pepwave Passive PoE Outputs #	
Power Consumption	16W (max.)	
Dimensions	11.8 x 4.9 x 1.2 inches 300 x 124 x 30 mm	
Weight	0.96 pound 435 grams	
Operating Temperature	-40° – 149°F -40° – 65°C	
Humidity	15% – 95% (non-condensing)	
Certifications	FCC, CE, RoHS RF Port Lightning Immunity: ITU-T K.20 (+/- 1.5 kV)	
Warranty	1-Year Limited Warranty	

Built-In, Software-Selectable 10dBi MIMO Directional and 4dBi Omni Wi-Fi Antennas

11.8 inches
300 mm

4.9 inches
124 mm

Screw-Holes for Wall Mounting (screws not included)

SIM Slots

2x 10/100M Ethernet LAN   1x 10/100M Ethernet WAN (PoE Input*)

2 x SMA Cellular Antenna Connectors (optional)

Requires 48V Pepwave Passive PoE input. Available separately.

Ordering Info

	Product Code	Region/Carrier	Embedded Modem	4G Bands/Frequencies (MHz)	3G Bands/Frequencies (MHz)	VPN Functionality
4G LTE	MAX-BR1-LTE-E-IP55	Europe/International	1	4G LTE: B1/2100, B3/1800, B7/2600, B8/900, B20/800	WCDMA/HSPA+/DC-HSPA+: B1/2100, B2/1900, B5/850, B6/800, B8/900	PepVPN
3G	MAX-BR1-AE-IP55	Worldwide	1	-	WCDMA/HSDPA/HSUPA/HSPA+: B1/2100, B2/1900, B4/AWS 1700B5/850, B6/800, B8/900 EDGE/GPRS/GSM: B2/1900, B3/1800, B5/850, B8/900	PepVPN
	MAX-BR2-AE-IP55	Worldwide	2	-	WCDMA/HSDPA/HSUPA/HSPA+: B1/2100, B2/1900, B4/AWS 1700B5/850, B6/800, B8/900 EDGE/GPRS/GSM: B2/1900, B3/1800, B5/850, B8/900	PepVPN , and optional SpeedFusion Bonding
	MAX-BR2-AE-SF-IP55	Worldwide	2	-	WCDMA/HSDPA/HSUPA/HSPA+: B1/2100, B2/1900, B4/AWS 1700B5/850, B6/800, B8/900 EDGE/GPRS/GSM: B2/1900, B3/1800, B5/850, B8/900	SpeedFusion Bonding

Add-on Feature

Product Code	Product Name	Description
ACW-109	PoE Kit for IP55 Outdoor Products	Include 48V Pepwave Passive PoE Injector and PoE license. Enable 802.3af/48V Pepwave Passive PoE output.
ACW-510	Ball Joint Mount for IP55 Outdoor Products	Wall/pole mount with flexible ball-joint for high-precision installation.

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Built-in Customizable Splash Page

Global Positioning System
Integrated GPS
Device Location Map
Location Tracking Data with InControl 2
Fleet Management with InControl 2

#Available as optional feature.