

MAX BR1/BR2 IP55

IP55 Outdoor 4G LTE/3G Router



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

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

*Available on selected models.

Works With

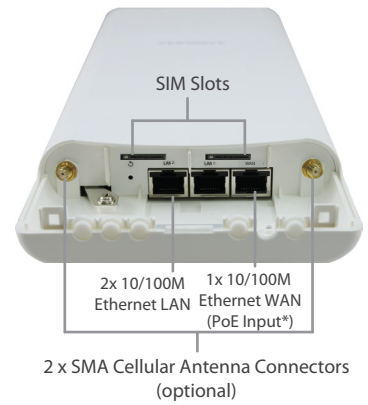


And worldwide 4G LTE/3G carriers

Specifications

| | MAX BR1 IP55 | MAX BR2 IP55 |
|----------------------------|--|---------------------------------------|
| WAN Interface | 1x GE 1x Embedded Outdoor LTE Modem | 1x GE 2x Embedded Outdoor 3G Modem |
| 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 | 5.8 x 5.0 x 1.6 inches 147 x 128 x 40 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



Requires 48V Pepwave Passive PoE input. Available separately.

Ordering Info

| | Product Code | Carrier | Embedded Modem | 4G Bands/Frequencies (MHz) | 3G Bands/Frequencies (MHz) | VPN Functionality |
|--------|---------------------|------------------------|----------------|--|--|--|
| 4G LTE | MAX-BR1-LTE-US-IP55 | Verizon /AT&T/T-Mobile | 1 | 4G LTE: B2/1900, B4/AWS (XLTE), B5/850, B13/700, B17/700, B25/1900 | WCDMA/HSPA+/DC-HSPA+: B1/2100, B2/1900, B4/AWS, B5/850, B8/900 EV-DO Rev.A: BCO/800, BC1/1900, BC10/800 | PepVPN |
| | 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, B5/850, 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, B5/850, 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, B5/850, 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. |