



OVERVIEW

BRIDGE HOME BOOSTER is the product to solve signal coverage problems of indoor. Repeater receives weak signal and boost the signal to a strong level, fast to provide strong signal in poor coverage areas. BRIDGE product portfolio includes a full and flexible series of product family to support single band, dual band, triple band, and multiple band systems.

BRIDGE Repeater Series adopts multiple technologies compatible with GSM /WCDMA /LTE /NR systems. Its noise and interference control technology is to reduce the noise floor and interference. This product utilizes high-quality linear power amplifier to always maintain signal operation in a linear status. Various RF features are optional and customizable to fulfill different deployment and operation scenarios on site.

In the section of materials selection, BRIDGE products are all made of good and rugged material, including brand new chipsets and electronic components, ensuring stable performance and long product life.

FEATURES

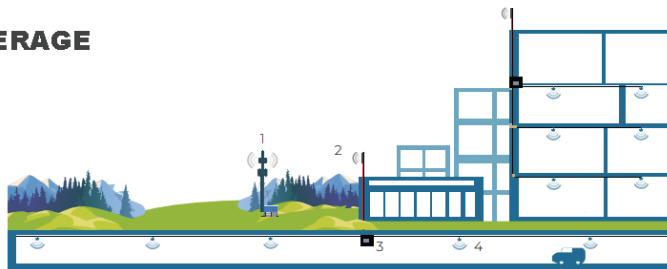
- Automatically detect isolation
- Automatic level control and gain control
- Bluetooth APP to tune parameters
- Power, Bluetooth, connection and alarm indicators
- RSSI, Isolation, Output Power, Power, AGC LED

APPLICATIONS

- Offices, homes, apartments
- Bookstores, restaurants, coffee shops
- Entertainment areas, such as KTV and bars
- Parking lots, super markets
- Various public or private areas

INBUILDINGS COVERAGE

1. Base Station
2. Donor Antenna
3. BDA
4. Service Antenna



Disclaimer:

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DATA SHEET

41-BWBL1067

20mW HOME BOOSTER

Frequency: 2600MHz customizable | **Bandwidth:** 0.2-20MHz adjustable in full band
Max. Output Power: 13dBm | **Gain:** 67dB | **Power Supply:** AC100V /240V | **Usage:** Indoor



TECHNICAL DATA

| Electrical Specifications | | |
|---|---|----------------------|
| Item | FDD-LTE2600 (B7) | |
| | Uplink | Downlink |
| Frequency (customizable) | 2500-2520MHz | 2620-2640MHz |
| Operation Bandwidth | 0.2-20MHz adjustable in full wide band | |
| Max. RF Output Power | ≥10dBm | ≥13dBm |
| Max. Gain | ≥67dB | ≥67dB |
| Max. No Damage Input Power | -10dBm | |
| Noise Figure | ≤6dB | / |
| Gain Control Range /Step | 30dB /1dB step | |
| AGC | Support | |
| Auto Level Control (ALC) | Control range: ≥30dB | Control range: ≥25dB |
| VSWR | ≤1.5 | |
| Time Delay | ≤4.5μs | |
| EVM (RMS) | ≤8% | |
| ACRR | ≥33dBc @5MHz & @10MHz | |
| Spurious Emissions | 3GPP TS 36.106, In Band & Out Band | |
| Out of Band Gain | ≤60dB @0.2MHz ≤ f_offset_CW < 1.0MHz | |
| | ≤45dB @1.0MHz ≤ f_offset_CW < 5.0MHz | |
| | ≤45dB @5.0MHz ≤ f_offset_CW < 10.0MHz | |
| | ≤35dB @10.0MHz ≤ f_offset_CW | |
| Mechanical Specifications | | |
| Dimension | 156 x110 x35mm | |
| Weight | ≤0.45kg | |
| Power Supply | AC100 /240V to DC5.5V Adapter | |
| RF Connector | 2x SMA Female, 50Ω | |
| Local Control | Bluetooth | |
| Antenna | ≥7dBi with 15m cable @Donor, ≥2dBi embedded service antenna | |
| Environmental & Installation Specifications | | |
| Temperature | -25 to +55°C | |
| Humidity | ≤95% | |
| Ingress Protection | IP43, Indoor | |
| Installation | Wall or Plane Mount | |

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