

Frequency: 703-803MHz /1710-1880MHz /1920-2170MHz | Output Power: 33dBm @B28, 37dBm @B3, 43dBm @B1 | Power Supply: AC100V /240V | Operation Band: Adjustable Band | Usage: Indoor & Outdoor



OVERVIEW

BRIDGE Repeater is the product to solve signal coverage problems of indoor and outdoor. 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 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

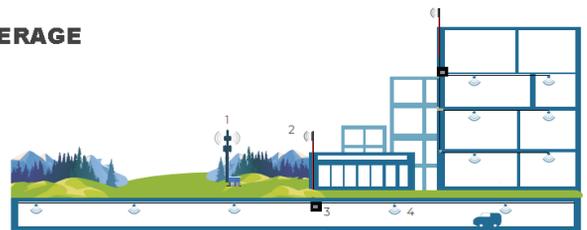
- Fully compatible with multi-mode systems.
- With good interference process of out of bands, reducing overall interference in the system.
- LCD light to indicate the alarm and operation status; simple to check the product performance
- Software programmed operation parameters
- Power supply complies with EN 60950

SITE APPLICATION

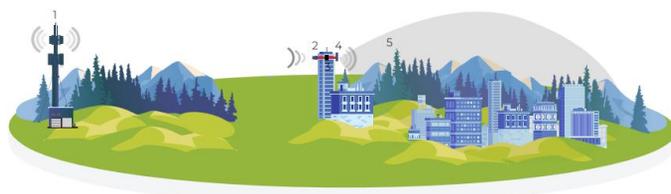
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INBUILDINGS COVERAGE

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



OUTDOOR COVERAGE



1. Base Station Signal
2. Donor Antenna
3. BDA
4. Coverage Antenna
5. Coverage Area

2

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Revised | PR.1.1

41-WAL07182143-HE1T

2 / 5 / 20W TRI-BAND RF REPEATER - BANDWIDTH ADJUSTABLE

Frequency: 703-803MHz / 1710-1880MHz / 1920-2170MHz | **Output Power:** 33dBm @B28, 37dBm @B3, 43dBm @B1

Power Supply: AC100V / 240V | **Operation Band:** Adjustable Band | **Usage:** Indoor & Outdoor

TECHNICAL DATA

Mechanical Specifications						
RF Connection	2x N Female or 2x 4.3-10 Female, 50Ω					
Monitoring & Control	LCD + Keypad, Wi-Fi, RJ45 (Optional)					
OMC (Optional)	Through Wi-Fi or LTE Modem					
Dimension (L xW xH)	500 x440 x187mm					
Weight	≤28kg					
System Protection	Self-oscillation, over-power, over-current, etc.					
Power Supply	AC100-240V, comply with EN60950					
Power Consumption	≤300W					
Environmental Specifications						
Temperature	-10°C ~ +55°C					
Humidity	≤95%					
IP Rating	IP65, Indoor & Outdoor					
MTBF	≥50000h					
Installation Specifications						
Mounting	Wall or Pole					
Electrical Specifications						
Item	FDD-LTE900 (B28)		FDD-LTE1800 (B3)		FDD-LTE2100 (B1)	
	Uplink	Downlink	Uplink	Downlink	Uplink	Downlink
Frequency Range	703-748MHz	758-803MHz	1710-1785MHz	1805-1880MHz	1920-1980MHz	2110-2170MHz
Bandwidth Adjustable Range	0.2-45MHz		0.2-75MHz		0.2-60MHz	
Max. RF Output Power	≥17dBm	≥33dBm	≥20dBm	≥37dBm	≥23dBm	≥43dBm
System Gain (UL&DL)	≥85dB		≥90dB		≥90dB	
Max. No Damage Input Power	/	-10dBm	/	-10dBm	/	-10dBm
Noise Figure	≤6dB	/	≤6dB	/	≤6dB	/
Pass Band Ripple	≤ ±1.5dB					
Auto/Manual Gain Control	0 - 31dB /1dB step					
Auto Level Control (ALC)	Control range: ≥20dB					
VSWR	≤1.5					
Time Delay	≤5μs					
EVM (RMS)	≤8%					
Spurious Emissions	3GPP TS 36.106					

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