



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 stuffs, 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

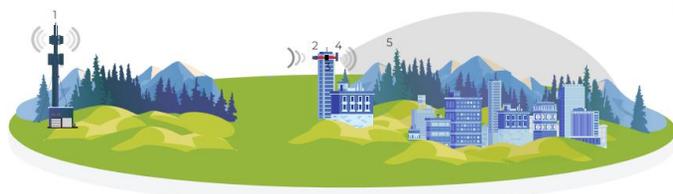
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INBUILDINGS COVERAGE

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

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41-WAL07L1840-HE1

5W /10W DUAL-BAND RF REPEATER - BANDWIDTH ADJUSTABLE

Frequency: 703--803MHz /1710-1880MHz | **Output Power:** 37dBm @B28, 40dBm @B3 | **Power Supply:** AC100V /240V

Operation Band: Adjustable Bandwidth | **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	≤25kg			
System Protection	Self-oscillation, over-power, over-current, etc.			
Power Supply	AC100-240V, comply with EN60950			
Power Consumption	≤250W			
Environmental Specifications				
Temperature	-10°C ~ +55°C			
Humidity	≤95%			
IP Rating	IP65, Indoor & Outdoor			
MTBF	≥50000h			
Installation Specifications				
Mounting	Wall or Pole			
Electrical Specifications				
Items	FDD-LTE700 (B28)		FDD-LTE1800 (B3)	
	Uplink	Downlink	Uplink	Downlink
Frequency Range	703-748MHz	758-803MHz	1710-1785MHz	1805-1880MHz
Bandwidth Adjustable Range	0.2-45MHz		0.2-75MHz	
Max Output Power	≥23dBm	≥37dBm	≥23dBm	≥40dBm
System Gain (UL&DL)	≥90dB		≥90dB	
Pass Band Ripple	≤±1.5dB			
Auto /Manual Gain Control	0-31dB			
Gain Modulation Step	1dB			
Noise Figure	≤6dB			
Max No Damage Input Power	-10dBm			
Automatic Level Control (ALC)	Control range: ≥20dB			
VSWR	≤1.5			
Time Delay	≤5μs			
Frequency Stability	≤0.01ppm			
Spurious Emission	3GPP TS 36.106			
EVM	≤8%			

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