

RF Repeater_Triple Band

900-2100 MHz JTD-RP-C23-GDW (23dBm)



LTE900+LTE1800+LTE/UMTS2100

The RF Repeater provides an affordable solution to solve the indoor signal coverage problems due to signal fading and attenuation caused by architecture obstacles. And its easy installation and maintenance can help carrier get fast return.

The repeater is working as a relay between the BTS and mobiles. It picks up the strongest signal from BTS via the Donor Antenna, linearly amplifies the signal and then retransmits it via the Indoor Signal Distribution System to the weak/blind coverage area. And the mobile signal is also amplified and retransmitted to the BTS via the opposite direction.

Key features

- Two signal ports with full duplex design.
- Linear power amplification to effectively suppress inter-modulation and spurious emission.
- Stable and improved signal transmission quality.
- Compact size with stable performance.
- Visible system working status indication.
- LCD display to show the instant gain.
- 45dB ALC control range to prevent any damage of the device.
- Simple installation with external AC/DC adapter.
- Cost-effective for practical solutions.

Advantages

Multi_standards/Multi_operator

45dB ALC control range to prevent any damage of the device

Manual gain setting

LCD real-time display to show the instant gain



Specifications

Technical characteristics

Item	Specifications
System	LTE900+LTE1800+LTE/UMTS2100
Working Frequency	Uplink 885~915/1710~1785/1920~1980 MHz
	Downlink 930~960/1805~1880/2110~2170 MHz
Working Bandwidth	30/75/60 MHz
Maximum Output Power	Uplink 17dBm per Band
	Downlink 23dBm per Band
Maximum Gain	70db (Uplink) , 75dB (Downlink)
AGC Range	≥ 25dB
MGC Range	0~31dB@Step of 1 dB
VSWR	≤ 1.5
System Delay	≤1μs
Noise Figure	≤6dB
Spurious Emission	9kHz~1GHz: ≤ -36dBm
	1GHz~12.75GHz: ≤ -30dBm
Maximum Input Power(Non-Destructive)	-10dBm
RF Connector Type	2xN-Female
I/O Impedance	50Ω
Ingress Protection	Indoor (IP40)
Operating Temperature	-10°C~50°C
Relative Humidity	≤95%
Dimensions	268x189x58mm
Weight	≤4Kg
Power Supply	AC100V ~240V, 50/60Hz;Output:DC10V/10A
Power Consumption	≤35W
LED Alarm	Power LED (DC ON/OFF) AGC LED GREEN (@ Normal, Red @ ALC 15dB)
Mounting Type	Wall

Applications

To expand signal coverage or fill signal blind area where signal is weak or unavailable.

Outdoor: Airports, tourism regions, golf courses, tunnels, factories, mining districts, villages, ...

Indoor: Hotels, exhibition centers, basements, shopping malls, offices, parking lots, ...

