RF Repeater_Four Band

700-2100 MHz **JTD-RP-C33L-LGDW (33dBm)**

JIETONG DIGITAL
GET CONNECTED

LTE700+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.
- Smart Automatic Level Control (ALC) ensures output level stable and adjustable continuously.
- Auto Isolation check between service and donor antennas.
- Smart mode to auto-adjust gain according to the isolation and signal level received by donor site.
- Auto shut off function available for both uplink and downlink.
- Simple installation with external AC/DC adapter.
- Cost-effective for practical solutions.

Advantages

☑ Multi_standards/Multi_operators

☑ Support antenna isolation detection

☑ Smart function to set the proper gain automatically

☑ LCD real-time display to show the instant power and gain for each link

 Website http://www.jtd.com.tw

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Specifications

Technical characteristics

Item		Specifications
System		LTE700+LTE900+LTE1800+LTE/UMTS2100
Working Frequency	Uplink	703~748/885~915/1710~1785/1920~1980 MHz
	Downlink	758~803 /930~960 /1805~1880 /2110~2170 MHz
Working Bandwidth		45/30/75/60 MHz
Maximum Output Power	Uplink	23dBm per Band
	Downlink	33dBm per Band
Maximum Gain		≥80db (Uplink) , ≥85dB (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
EVM		≤4.5%
Maximum Input Power(Non-Destructive)		0 dBm
Smart Mode		Automatically adjust the gain in both links according to the specific environment
RF Connector Type		2xN-Female
I/O Impedance		50Ω
Ingress Protection		Indoor (IP55)
Operating Temperature		-10℃~55℃
Relative Humidity		≤95%
Dimensions		460x338x165mm
Weight		≤18Kg
Power Supply		AC100V ~240V, 50/60Hz;120W
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off
LED Alarm		Power LED (DC ON/OFF) AGC LED GREEN (@ Normal, Red @ ALC 10dB)
Mounting Type		Wall

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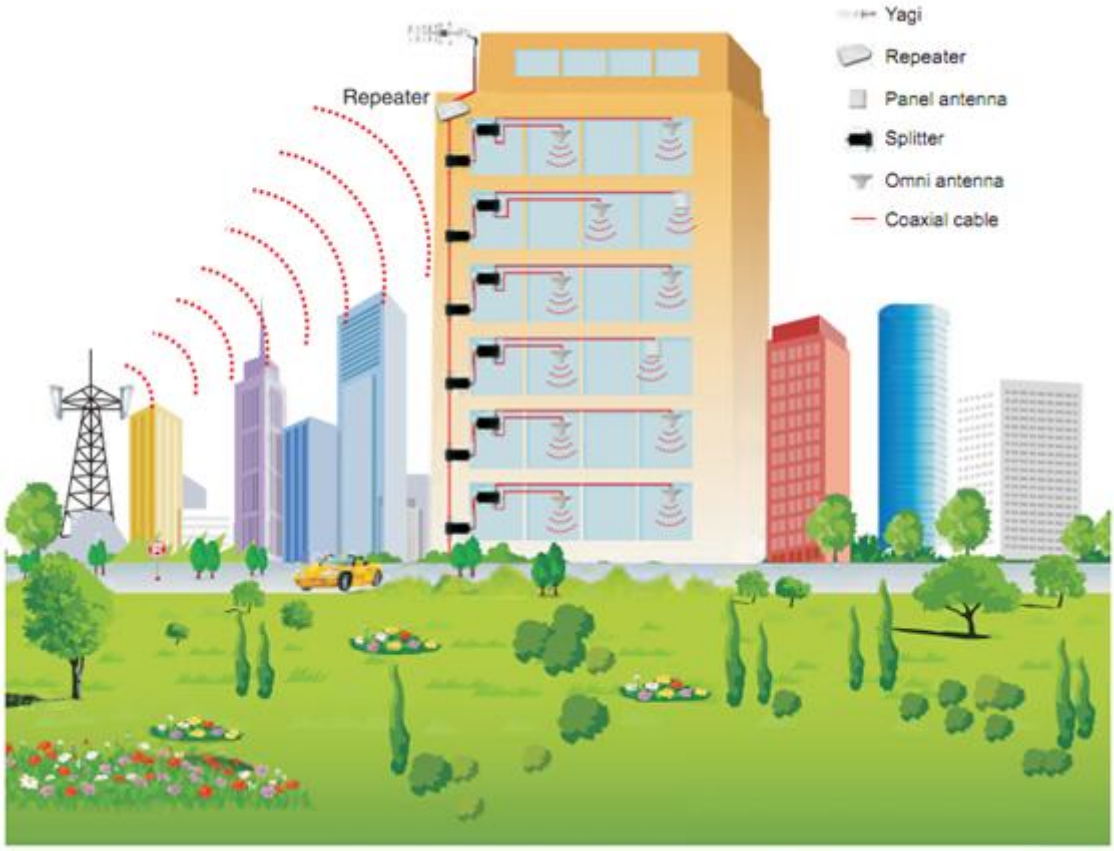
Applications

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, …



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