

RF Repeater_Penta Band

800-2600 MHz

JTD-RP-70A27A (27dBm)



LTE800+ LTE900+LTE1800+LTE2100+LTE2600

The Pico 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 Pico 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.

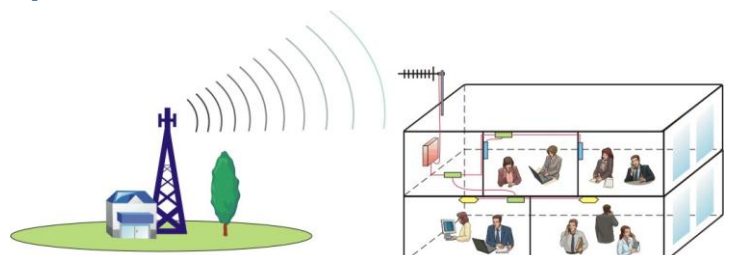


Key features

- Two signal ports with full duplex design.
- Linear power amplification to effectively suppress inter-modulation and spurious emission.
- 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.

Advantages

- ☑ Multi_standards/Multi_operators
- ☑ Smart function to set the proper gain automatically
- ☑ LCD display



Specifications

Items		Specifications
System		LTE800<E900<E1800&WCDMA/LTE2100<E2600
Frequency Range	Uplink	832~862&880~915&1710~1785&1920~1980&2500~2570
	Downlink	791~821&925~960&1805~1880&2110~2170&2620~2690
Working Bandwidth		30MHz&35MHz&75MHz&60MHz&70MHz
Maximum Output Power	Uplink	20±2dBm Per Frequency Band
	Downlink	27±2dBm Per Frequency Band (4 Output Ports Provided, Total Output Power 27dBm, 20dBm for Each Port.)
Maximum Gain	Uplink	70±3dB per Band
	Downlink	70±3dB@ per Band
AGC Range(UL&DL)		≥ 20dB per Band
MGC Range(UL&DL)		≥ 25dB per Band
VSWR		≤1.5
Noise Figure		≤8dB
Maximum Input Power (Non-destructive)		≤-10dBm
System Delay		≤ 1.5μs
Spurious Emission		9kHz~1GHz: ≤-36dBm
		1GHz~12.75GHz: ≤-30dBm
I/O Impedance		50 Ω
RF Connector		5xN-Female
Power Supply		Input:AC100~ 240V
Operating Temperature		-10 ~ +50 °C
Application		Indoor(IP30)
Alarm Monitoring System		Alarm for Uplink Self-Oscillation
Isolation Detection		Isolation Check During Boot Time
LED Indicator		Power Supply, Running, Alarm
Dimensions		280*268*116mm
Weight		≤12kg
Relative Humidity Range		≤ 85%(Non Condensing)
Mounting		Wall Mounting

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, ...

