
WCDMA ICS Pico Repeater From <http://www.jammerbooster.com/>

MODEL:	KR-1370WI
SIZE:	189mm x 170mm x 80mm
PACKAGE:	Neutral packing

WCDMA ICS Pico Repeater, Digital Signal Booster

Model: KR-1370WI

Introductions:

The WCDMA 2100MHz ICS PICO Repeater is designed to provide a more cost-effective solution than adding a new Base Transceiver Station (BTS) to improve signal coverage and communication quality in WCDMA system. And its easy installation and maintenance can help carriers get fast return.

The repeater is working as a relay between the BTS and mobiles. It receives the low-power signal from BTS via the Built-in Donor Antenna, linearly amplifies the signal and then retransmits it via the Built-in Coverage Antenna to the weak/blind coverage area. And the mobile signal is also amplified and retransmitted to the BTS via the opposite direction.

Features:

- I Plug-and-Play
- I Built-in Donor and Service Antennas (Gain: 5dBi)
- I Channel Selective
- I Up Link Mute

- I 30dB Adaptive Echo Interference Cancellation
- I 85dB Gain(External Donor Antenna) with Cognitive Auto Power Level Control
- I Channel-based Power/Gain Configuration and Control
- I Low Power Consumption
- I Light Weight
- I No Fan inside
- I High System Gain
- I Small Dimension
- I Directly plug external antenna in MS or BS antenna port and build-in antenna will be disable

Applications:

No professional configuration required but just Plug and Play, This WCDMA ICS Pico Repeater is a quick solution to extend WCDMA signal coverage to small and medium size indoor environment such as houses, hotels, hot spots, shops, offices, meeting rooms, apartments, and so on. 30dB Adaptive Echo Interference Cancellation with Cognitive Auto Power Level Control makes this WCDMA Pico ICS Repeater able to adapt to the time-variant isolation environment and further provides the optimized signal coverage all the time.

Technical Specifications

Item		Specification
System		UMTS
Frequency Range (Customized)	Uplink (MHz) Downlink (MHz)	1920-1980 2110-2170
UL/DL Total Output Power		³ 13dBm (without built-in antenna gain) ³ 18dBm (built-in antenna gain added)
Supported Number of Channels	Uplink Downlink	Independently Settable Per Channel 1, 2, or 3 Carriers in 20MHz, Manual Channel Selection 1, 2, or 3 Carriers in 20MHz, Manual Channel Selection
Max. Gain	External Donor Antenna	85dB, Independently Settable Per Channel

Build-in Donor Antenna	70dB, Independently Settable Per Channel
AGC Control Range	30dB, Independently Working Per Channel
Gain Control Range	30dB (0.5dB/Step), Independently Settable Per Channel
Out of Band Gain	3GPP TS 25.106
Gain Flatness	? 3dB(Peak-to-Peak)
Error Vector Magnitude(EVM)	? 10% (PCDE ? -35dB)
Interference Cancellation	30dB
SpuriousEmissions	3GPP TS 25.106
Input/Output Intermodulation	3GPP TS 25.106
Adjacent Channel Rejection Ratio	3GPP TS 25.106
Noise Figure	? 6dB (@Max. Gain)
Group Delay	?6μs
Operating Temperature Range	-30°C~ +55°C
Relative Humidity	95%
Power Supply	90~240ACV, 50/60Hz
Power Consumption	? 10W
Standard Compliance	3GPP TS 25.143?EN 60950?ETSI EN 301 489-1?ETSI EN
VSWR	VSWR ? 1.5
RF Connector	SMA Female(Switch) for External Antenna Extension
PC Control Interface	USB
LED Indicator	Input RSSI, AGC Alarm, Isolation Alarm, Power On, Sleep,
Dimensions	189mm x 170mm x 80mm
Weight	<1.2KG





