

Triple system signal repeater 20dBm



Overview

LNA-10143 triple system signal repeater series are designed for business places indoor coverage solution. Such as the bookstore, the restaurant, the coffee shop, the KTV, the bar, the parking pot, the super market, big office and mobile applications and the area is between 900-2000sqm. Using a revolutionary, patent pending technology that protects the carrier network, the LNA-10143 triple system improves indoor cell phone signals by capturing and repeating the outside signals, bringing them into the building and enhancing them.

- Elegant and Compact design
- Built-in AGC and ALC circuits, which can automatically control the gain of the repeater depending upon the strength of input signals.
- 31dB MGC(Manual gain control) 1dB one step available for both uplink and downlink to adjust the gain value for proper coverage during installation or maintenance.
- Auto shut off function available for both uplink and downlink to avoid deep self-oscillations from jamming the towers, saving your trouble from operators.
- Low power consumption.

Work Frequency

GSM900 (Uplink: 890-915Mhz, Downlink: 935-960Mhz)

DCS1800 (Uplink: 1710-1785Mhz, Downlink: 1805-1910Mhz)

WCDMA2100 (Uplink: 1920-1980Mhz, Downlink: 2110-2170Mhz)



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Coverage

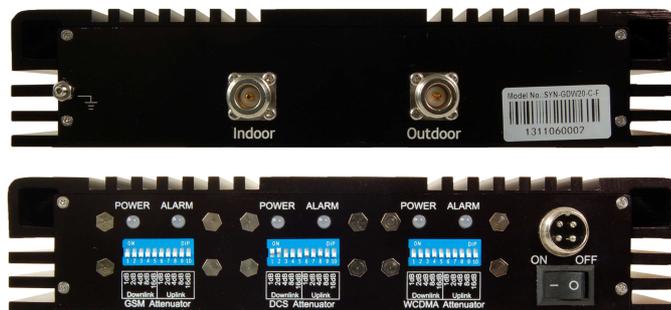
LNA-10143 (20dBm output power triple band signal repeater) has a 900-2000sq.m coverage.

The signal repeater can combine with trunk Amplifier to realise bigger area's coverage.

Technical specification

Electrical specification	Uplink	Downlink
Frequency Range	Customized upon request	
Max. Gain	≥65dB	≥70dB
Max. Output Power	≥15dBm	≥20dBm
Band with (-3dB)	Wide Band	
MGC (Step Attenuation)	≥31dB/1dB step	
Automatic Level Control	≥15dB, auto shut off after 15dB	
Gain Flatness	≤6dB (P-P)	
Noise Figure	≤6dB	
VSWR	≤2.0	
Group Delay	≤0.5μs	
LED Alarm	Standard	
Power LED	Green light when power on	
ALC LED	Orange @ ALC 1~5dB, Red @ ALC 15dB~20dB, LED off after 5 second red color	
Mechanical Specifications	Standard	
I/O Port	N-Female	
Impedance	50Ω	
Operating Temperature	-25°C ~ +55°C	
Environment Conditions	IP40	
Dimensions	250mm x 330mm x 52mm	
Weight	≤4.5kg	
Power Supply	Input AC90 ~ 264V, Output 10V DC/7A	

Suitable for:



Front, rear view



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