

10dBm WCDMA Single band Signal Repeater



Features:

1. Elegant and Compact design
2. Built-in AGC and ALC circuits, which can automatically control the gain of the repeater depending upon the strength of input signals.
3. 15dB MGC (Manual gain control) 5dB one step available for both uplink and downlink to adjust the gain value for proper coverage during installation or maintenance.
4. Auto shut off function available for both uplink and downlink to avoid deep self-oscillations from jamming the towers, saving your trouble from operators.
5. Low power consumption - 6W only.

Model Number		GCPR-W10	
Electrical specification		Uplink	Downlink
Frequency Range	WCDMA	1920 ~ 1980 MHz	2110 ~ 2170 MHz
Max .Gain		≥ 60dB	≥ 60dB
Max .Output Power		≥ 10dBm	≥ 10dBm
Band width (-3dB)		Wide Band	
MGC (Step Attenuation)		≥ 15dB / 5dB step	
Automatic Level Control		≥ 15dB,auto shut off 31dB after 15dB	
Gain Flatness		≤6dB(P-P)	
Noise Figure		≤6dB	
VSWR		≤1.8	
Group Delay		≤5μs	
Frequency stability		≤0.01ppm	
Spurious Emission & Output inter-modulation			
		WCDMA Meet 3GPP TS 25.143 (V 6.2.0)	
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		50 ohm	
Operating Temperature		-25°C~+55°C	
Environment Conditions		IP40	
Dimensions		129x140x30mm	
Weight		400g	
Power Supply		Input AC90~264V, Output 5VDC / 2A	