



Gainer GCPR-GW10 GSM/WCDMA repeater

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10dBm GSM+WCDMA Dual 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. 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.
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.

Electrical specification		Uplink	Downlink
Frequency Range	GSM	890-915Mhz	935-960Mhz
	WCDMA	1920-1980Mhz	2110-2170Mhz
Max .Gain		≥ 55dB	≥ 60dB
Max .Output Power		≥ 7dBm	≥ 10dBm
Band width (-3dB)		Wide Band	
MGC (Step Attenuation)		≥ 15dB	
		5, 10 and 15dB with two DIP switches	
Automatic Level Control		≥ 15dB,auto shut off 31dB after 15dB	
Noise Figure		≤6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
Frequency stability		≤0.01ppm	
Spurious Emission & Output inter-modulation		GSM Meet ETSI TS 151 026 V6.1.0	
		WCDMA Meet 3GPP TS 25.143 (V 6.2.0)	
WCDMA System	Spurious Emission Mask	Meet 3GPP TS 25.143 (V 6.2.0)	
	Modulation Accuracy	≤12.5%	
	Peak Code Domain Error	≤-35dB@Spreading Factor 256	
CDMA System	Rho	ρ > 0.980	
	ACPR	Meet IS95 & CDMA2000	
LED Alarm		Standard	
Power LED		Power Indicator	
ALC LED		Orange @ ALC 1~5dB, Red @ ALC 14dB~16dB, 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		129x198x30mm	
Weight		700g	
Power Supply		Input AC90~264V,output 5VDC / 2A	