

24 ~ 27dBm Dual Wide Band Repeater



Product Feature

- * Provide quick coverage solution for small signal weak & block zones, reduce drop/off calls.
- * Compact size, low consumption, easy installation, great cover.
- * Cover about 1500~5000 m² without block or obstruct.
- * Reduce cellphone transmit power and radiation, extend cellphone battery life.
- * High linear design, low interference to BTS.
- * Manual gain control function.

Repeater series

Output power for 24~27dBm, wide band in dual system of GSM+DCS, GSM+WCDMA, CDMA+PCS, CDMA+WCDMA
Repeater models: C24C-GD, C27C-GD, C24C-CP, C27C-CP, etc.

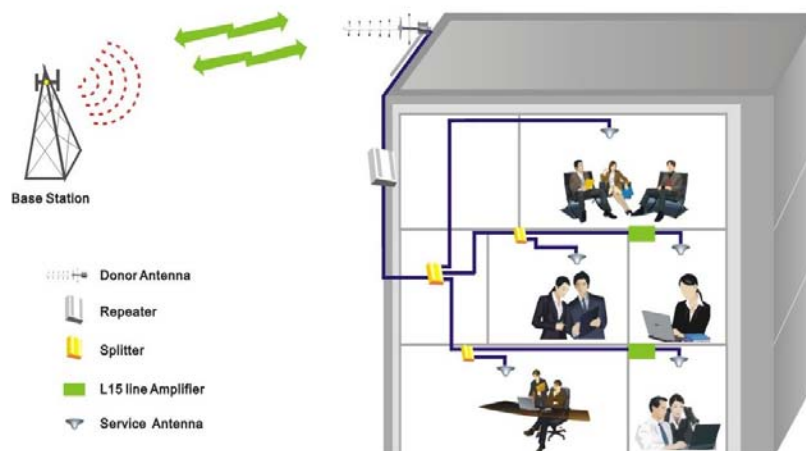
Standard Package

- 1) AC90-264V, DC12V/10A power supply adapter 1PCS
- 2) AC power cord (EU standard/ US standard/UK standard/ SA standard/China standard, etc) 1PCS
- 3) Installation kit 1PCS
- 4) User manual 1PCS

Recommended Accessories :

- 1) Donor antenna: Log Periodic Dipole Antenna (8.2dBi@806-960MHz, 9.5dBi@1710-2500MHz)
- 2) Service antenna: Omni Ceiling Antenna (2dBi@824-960MHz, 4.7dBi@1710-2500MHz)
- 3) 1/2" RF cable with connector (Cable length optional) ;
- 4) Splitter, coupler

Application



Electrical Specification

Items		Uplink	Downlink
Frequency Range	GSM900+DCS	890 ~ 915 MHz/1710 ~ 1785 MHz	935 ~ 960 MHz/1805 ~ 1880 MHz
	CDMA+PCS	824 ~ 849 MHz/1850 ~ 1910 MHz	869 ~ 894 MHz/1930 ~ 1990 MHz
	GSM900+WCDMA	890 ~ 915 MHz/1920 ~ 1980 MHz	935 ~ 960 MHz/2110 ~ 2170 MHz
	CDMA+WCDMA	824 ~ 849 MHz/1920 ~ 1980 MHz	869 ~ 894 MHz/2110 ~ 2170 MHz
Max.Gain		≥ 70dB	≥ 75 dB
Manual Gain Control		31dB in step of 1dB	
Automatic Gain Control		> 20dB	
Bandwidth		Wide Band	
Ripple in Band		CDMA、GSM ≤ 8dB ; DCS、PCS ≤ 10dB; WCDMA ≤ 6dB	
Max. Input Power Without Damage		0 dBm	
Output Power		≥ 20 dBm	≥ 24 dBm
Intermodulation Products	9KHz~1GHz	≤ -36 dBm	≤ -36 dBm
	1GHz~12.75GHz	≤ -30 dBm	≤ -30 dBm
Spurious Emission	9KHz~1GHz	≤ -36 dBm	≤ -36 dBm
	1GHz~12.75GHz	≤ -30 dBm	≤ -30 dBm
Spurious Emission Mask(WCDMA)		Complies with 3GPP TS 25.106	
Modulation Accuracy(WCDMA)		Complies with 3GPP TS 25.106	
Peak Code Domain Error(WCDMA)		Complies with 3GPP TS 25.106	
ACRR(WCDMA)		≥ 30dB @±5MHz & ±10MHz	
Noise Figure @ max. gain		≤ 8 dB(Typical)	
Return loss		≤ -10 dB	
Time Delay		≤ 0.5 μs	
MTBF		> 50000 hours	
Power Supply		AC: 90~265V, 50/ 60Hz; DC: 12V 10A	
Power Consumption		< 60W	
Impedance		50 ohm	
Input Signal Level	Normal	At the edge of green and orange (-50dBm or more)	
	Low	Green	
	High	1-5dB range: Orange; >20dB: Red	

Mechanical Specification

RF Connector	N-Female
Switch	Power Switch、Manual Gain Control Switch
Cooling	Heatsink Convection cooling
Dimensions (D x W xH)	300*268*58 (mm)
Weight	< 4.5 Kg
Installation Type	Wall Installation
Environment Conditions	IP40
Humidity	< 90%
Operating Temperature	-10℃ ~ 55℃