



Highlights

- Support for multiple frequency bands
- Modular design which protects circuit components, reduces interference, and guarantees the stable operation of your equipment
- High-linearity design, low power consumption and noise, less interference to BTS
- Built-in ALC & AGC circuit which enables repeater control the gain value automatically and maintain stable output power, avoiding self-oscillation
- Manual gain control (MGC) available for both uplink and downlink to adjust the gain value for proper coverage during installation
- LEDs for local alarm indicators
- Optional remote control via SMS
- Coverage area up to 2000 square meters (21500 square feet)
- Light weight and compact for easy installation
- Lifetime warranty

Models	License Band Frequency	
CS800-20	SMR800	UL:806-824MHz / DL:851-869MHz
C800-20	GSM850/CDMA800	UL:824-849MHz / DL:869-894MHz
C900-20	GSM900	UL:890-915MHz / DL:935-960MHz
C1800-20	DCS1800	UL:1710-1785MHz / DL:1805-1880MHz
C1900-20	PCS1900	UL:1850-1910MHz / DL:1930-1990MHz
C1700-20	AWS1700	UL:1710-1755MHz / DL:2110-2155MHz
C2100-20	WCDMA2100	UL:1920-1980MHz / DL:2110-2170MHz
C2700-20	LTE2700	UL:2500-2570MHz / DL:2620-2690MHz

ELECTRICAL SPECIFICATIONS

Output Power	UL:15dBm DL:20dBm
Gain	UL:65dB DL:70dB
Input Power Range	≤-10dBm
AGC Range	≥20dB
MGC	30dB; 1dB/step
Inband Ripple	≤8dB
Time Delay	≤1.5μs
Noise Figure	≤8dB
Intermodulation	≤-36dBm
Spurious Emission	≤-36dBm @ 9KHz-1GHz (RWB=30KHz) ≤-30dBm @ 1GHz-12.75GHz (RWB=1MHz)
VSWR	≤2.0
Impedance	50Ω
Power	AC:90V-265V DC:9V/2A (SMR,CDMA,GSM850,GSM900) AC:90V-265V DC:12V/3A (DCS,PCS,AWS,LTE,UMTS)
Power Consumption	≤15W (SMR,CDMA,GSM850,GSM900) ≤20W (DCS,PCS,AWS,LTE,UMTS)
Alarm Indicators	Green(ALC active 0);Orange(ALC active 1-15dB);Red(ALC active ≥20dB)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-10°C to +55°C 14°F to +131°F
Operating Humidity	≤90%
Application	Indoor IP40

MECHANICAL SPECIFICATIONS

Color	Gray, Blue (Color is optional and customized)
Installation	Wall Mounting or Desktop Laying
Connectors	N-Female
Weight	2.0Kg 4.4lb
Dimensions	250*125*53mm 9.8*4.9*2.0in