

GSM900&U900&DCS1800<E1800&UMTS2100 Wireless Repeater

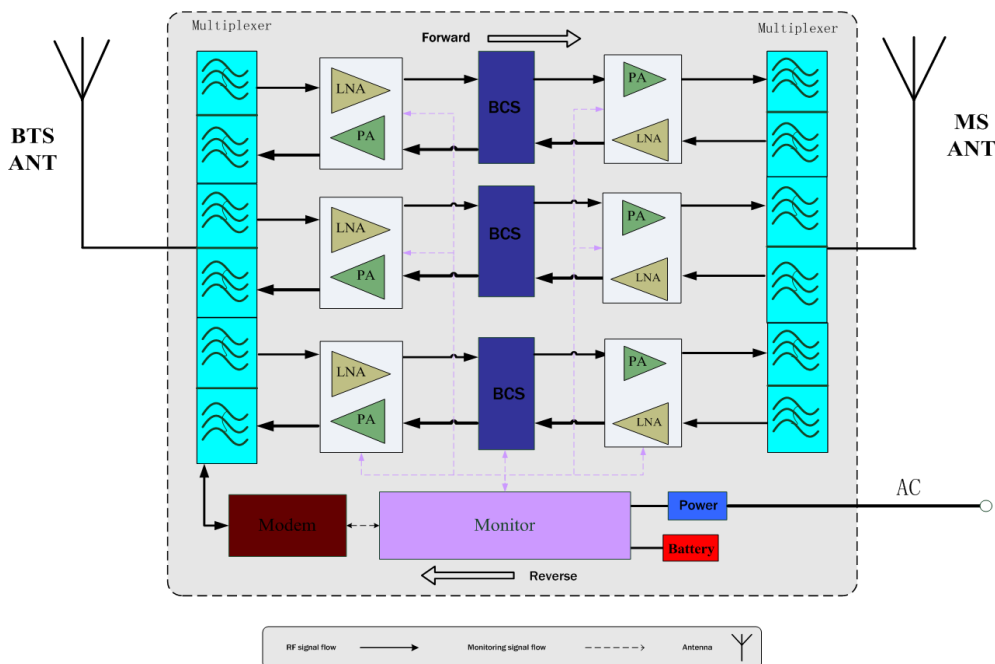
Characteristics

- Suitable for 900MHz & 1800MHz & 2100MHz frequency band.
- Linear power amplifier and highly integrated modules to ensure the stability of the inter-modulation (IMD3).
- Low noise figure, high system gain, perfect communication quality.
- Low power consumption, compact size, easy for maintenance and installation.
- Meets the high environmental class (IP65) requirements and is dust-proof, waterproof, and moisture-proof.
- Support tri band base station, and amplify any channel signals in work band.
- Monitor & alarm, support remote monitor and all kinds of alarms.
- Optional monitor methods, RS232/SMS.

Product Description

This triple-band wireless repeater can amplify two bands or multiple sub-bands signals at the same time by sharing one antenna feeder system. It is a good solution for multi-operator coverage projects because the infrastructure costs will be greatly reduced.

In the downlink path, the repeater will pick up the signal from the exiting transmitter via the donor antenna, amplifying and re-transmitting it into the desired coverage area via the service antenna. In the uplink path, the repeater will receive signals from cell phones in the covered area and re-transmit them back to the base station.



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Specifications

Electrical		
	Uplink :	Downlink
Frequency Range	890-915MHz 1710-1785MHz 1920-1980MHz	935-960MHz 1805-1880MHz 2110-2170MHz
Working bandwidth	0.2-25 MHz 0.2-75 MHz 3.84-60 MHz	0.2-25 MHz 0.2-75 MHz 3.84-60 MHz
Maximum Output Power(each band)	27dBm±2dB	43dBm±2dB
Max Gain	85dB±3dB	95dB±3dB
ALC	Input level rise 10dB, output stay at ±2dB or shut off	
ATT Range in 1dB Step	≥30dB	
Gain Adjusting Tolerance	≤1dB @ 0~20dB attenuation ≤1.5dB @ 20~30dB attenuation	
Ripple in band	≤8dB	
Noise Figure	≤8dB	
VSWR	≤2.0	
System Delay	5μs	10μs
IMD3	≤-45dBc(GSM)	
EVM (%)	≤12.5(UMTS)	
PCDE (dB)	≤-35(UMTS)	
Spurious Emission	≤-36dBm/100KHz@9KHz-1GHz ≤-30dBm/1MHz@1GHz-12.75GHz	
Environmental		
Operating Temperature	-25~ +55°C	
Humidity	5%~95%	
Environmental Class	IP65	
Other		
System Impedance	50Ω	
RF Connector	2*N-Female	
Power Supply	-58~-38V DC / 90 to 300V AC, 47 to 63Hz	
Dimension	635mm*425mm*190mm	
Weight	≤40Kg	
Installation mode	Pole/Wall-mounted	
Monitor	Local:RS232 Remote: SMS	
Power Consumption	≤380W	