

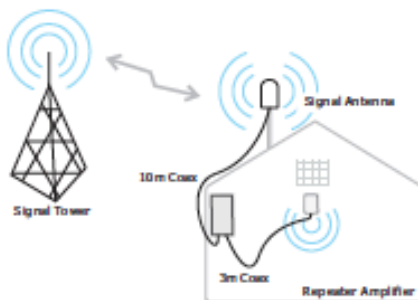
DIGITAL TRIBAND MRE220



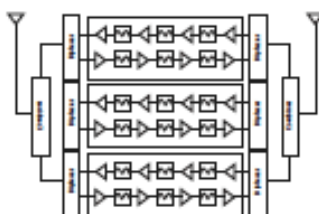
Key Features

- ✓ TRI-Band GSM 900/1800 and 3G
- ✓ 55 dB gain
- ✓ Coverage up to 250 sq m
- ✓ High gain signal antennas
- ✓ Supports 20 simultaneous users
- ✓ All GSM voice and all 3G networks
- ✓ Money back warranty

Working Principle



System Diagram



Package includes

- 1 x MR Tri-Band Repeater Amplifier
- 1 x External Tri-Band signal aerial
- 1 x Indoor high gain tri-band panel antenna
- 1 x 10 m coax to connect to repeater
- 1 x AC/DC power supply

Electrical Specifications

Item	Uplink	Downlink
Frequency	GSM: 890-915MHz GSM: 1710-1785MHz 3G: 1920-1990MHz	GSM: 935-960MHz GSM: 1805-1880MHz 3G: 2110-2180MHz
Maximum Gain	≈ 55dB	≈ 60dB
Ripple in Band	≈ 5dB	
Max. Input Power without damage	- 50 dBm	- 80 dBm
Output Power	≈ 17 dBm	
Spurious Emission (9KHz-1GHz)	≈ -36dBm	≈ -36dBm
Spurious Emission (1GHz-12.75GHz)	≈ -30dBm	≈ -30dBm
Noise Figure @ Max. Gain	≈ 6dB (Typical)	
Return Loss	≈ 3dB	
Time Delay	≈ 0.5µs	
MTBF	> 50000hours	
Power Supply	DC 12V 2A	
Power Consumption	< 10 Watt	
Impedence	50 ohm	

Mechanical Specifications

RF Connector	N-Female
Cooling	Heatsink convection cooling
Dimensions (DxWxH)	194 x 235 x 30 mm
Weight	1700 Gram
Environment Conditions	IP40
Humidity	< 90%
Operating Temperature	-10C- 60C