

A cityscape at night with a large '5G' logo in a circle and signal waves.

5G

5G NR RF REPEATER

TollfreeIndia Technologies



RF MORECOM - KOREA

RF MORECOM

RFM 5G NR IN-BUILDING & OUTDOOR RF REPEATERS

KEY FEATURES

- Adaptive Algorithm based **ICS** functionality using **DSP** digital filtering with sharp roll-off
- **NMS** using **SNMP** protocol for remote monitoring & management
- **Plug & Play** for easy installation
- Built-in donor & service antennae for indoor repeaters
- Supports diverse and higher frequency bands (Low Bands: <1GHz, Mid Bands: 1GHz to 6GHz & High Bands: >24GHz)
- **FDD / Dynamic TDD** based implementation
- Maximum Channel Bandwidth per carrier from 50MHz, 100MHz, 200MHz up to 400MHz
- Backward integration with **4G LTE/LTE-Advanced** networks
- Seamless integration with **Wi-Fi 6 (802.11ax)** for open roaming between **5G & Wi-Fi 6** networks
- Built-in **forward compatibility** allows **future evolution** while minimally sacrificing efficiency
- **MIMO** configurations available on request, capable of doubling the speed of 5G data transfer inside buildings and effectively dispersing data traffic to prevent overload on specific macro base stations.
- Low latency and high reliability
- Ergonomic and power efficient design

APPLICATIONS

- Office Premises & Residence
- Shopping Malls
- Stadiums
- Bus Stations & Metro/Railway Stations
- Airports
- 5G-NR Outdoor Active RF Relay Repeaters For Shadow Area Coverage

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INDOOR 5G ICS REPEATER
WITH IN-BUILT ANTENNA



ULTRA HIGH SPEED



PLUG & PLAY FOR EASY
INSTALLATION



LOW / HIGH POWER & ACTIVE
RELAY 5G REPEATER



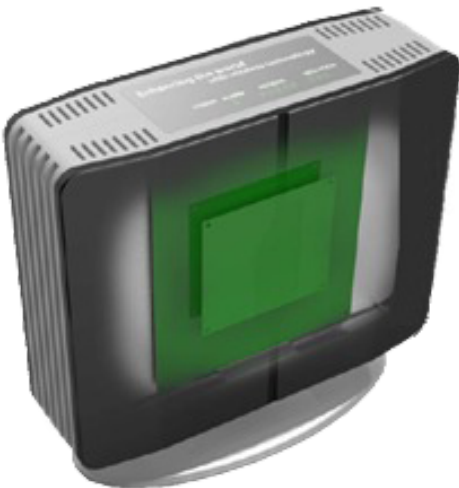
SUPPORTS
MULTIPLE DEVICES



IN-BUILT SNMP BASED NMS
FOR REMOTE MONITORING
& MANAGEMENT



5G DIGITAL REPEATER



FEATURES

- Interference Cancellation System
- Indoor Coverage
- Remote control (SNMP/Wireless Modem)
- Donor & Service Antennas both built in
- Antenna Isolation & Cancellation display

SPECIFICATIONS

Parameter		
Frequency Range	3400~3700MHz	
Band Selection	Variable	
Duplex Mode	TDD	
Max RF Out Power	DL: 20dBm	UL: 20dBm
Gain	70dB	
VSWR	2:01	
EVM	8%	
Flatness	3dB (Peak to Peak)	
Mechanical & Environment Specifications		
Dimension	200(W) X 200(H) X67(D)mm	
Weight	1.8Kg	
Power Supply	AC110V~220V/60Hz	
Connector Type	SMA-Female Type	
Temperature Relative Humidity	-10~45℃ / 95%	



RF MORECOM 5G NR RF REPEATER

4G+5G IN BUILDING COVERAGE SOLUTION



FEATURES

- 4G + 5G Dual Band
- Remote control (SNMP/Wireless Modem)
- Antenna Isolation & Cancellation display

SPECIFICATIONS

Parameter	DL Path	UL Path
TDD Frequency Range	4G :2300~2400MHz 5G: 3400~3800MHz	
FDD Frequency Range	1710~1785	1805~1880
Band Selection	10/15/20/25/30/40/50/60/80/90/100MHz	
CH Selection	1 or 2	
Duplex Mode	FDD / TDD	
Max RF Out Power	18dBm	18dBm
Gain	85dB	
VSWR	2:01	
EVM	8%	
Flatness	3dB (Peak to Peak)	
Mechanical & Environment Specifications		
Dimension	4G: 158(W) X 174(H) X44(D)mm 5G: 158(W) X 174(H) X44(D)mm	
Weight	3.5Kg	
Power Supply	AC110V~220V/60Hz	
Connector Type	SMA-Female Type	
Temperature Relative Humidity	-10~45℃ / 95%	

OUR RANGE OF PRODUCTS INCLUDE

- 5G-4G base station & indoor antennae
- 5G-4G-3G multi-band multi port DAS
- Multi-Band combiners, carrier grade RF filters, diplexer, triplexer, duplexer, power splitters & couplers
- 5G Repeaters, LNA, power amplifier, DSP filter, optical repeaters & tower mount amplifiers
- RF co-axial cable & optical fiber cables
- RF cable connectors, jumper cable assembly & optical patch cords

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