



RFM BOOST – 5G

CUSTOMISED REPEATER SOLUTIONS

TollfreeIndia Technologies



RF MORECOM - KOREA

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With RFM-Boost repeater solutions you can customise specific parameter values as per the field requirements of your network!

Pick and choose from a wide array of parameter values.



Implementation

- Indoor / Outdoor / Integrated DAS
- Analogue / Digital ICS / Optical



Plug & Play + Protection

- Auto Band & Circle Scanning
- Auto Detection of Service Frequency
- Auto Cell Search & Selection based on RSRP & SINR
- Auto Shutdown in case of excessive DL / UL Power levels
- Auto Shutdown in case of low isolation
- Auto Circuit protection from high VSWR



RF Signal

- RF Power: 10dBm up to 46dBm
- RF Gain: 35dB up to 110dB
- System Delay: Up to 3.0 μ s Max.



Environmental Conditions

- Operating Temperature: -10°C to +60°C
- Relative Humidity: Up to 95%RH
- Ingress Protection: IP54 / IP67 / IP68
- MTBF: 150000 Hours

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Network Type

- 5G Single Band / 4G+5G Dual Band
- <1GHz Low Band and/or 1GHz to 6GHz Mid Band and/or >24GHz High Band (millimeter band)
- Single Carrier / Multi Carrier
- Channel Bandwidth from 1.4MHz ~ 400MHz (shrinkable, expandable & movable)
- FDD and/or TDD Duplexing



Network Coverage Area

- Indoor: Up to 10,000 sq.ft.
- Outdoor: Up to 8 Kms. open area
- Integrated DAS: Multi-Floor Skyscraper



Monitoring & Management

- USB Local Terminal
- Bluetooth
- Remote SMS / SNMP based NMS



Other Requirements Available on request

- MIMO Configuration
- Built-in Antenna and/or External Antenna
- Cables & Accessories

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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 1.4MHz to 400MHz
- Backward integration with **4G LTE/LTE-Advanced** 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

OUR RANGE OF PRODUCTS INCLUDE

- 5G RF indoor repeaters
- 5G RF outdoor repeaters
- 5G Optical repeaters
- 5G Base station antenna for NR
- 5G Indoor antenna for small cell
- 5G Indoor antenna for repeaters & DAS
- 5G Integrated DAS
- Multiband RF combiners, power splitters & couplers
- RF Filters, duplexer, diplexer & multiplexer
- Low noise amplifier, power amplifier & DSP modules
- RF & optical fibre cables
- RF & optical accessories

All the above components & systems are customised as per actual on field requirements of the 5G network service provider.

All 5G networking products that we provide are completely designed, tested and manufactured in Korea.

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