

# Extendr® 5G MiMo-2

High performance multiband cellular MiMo and GNSS antenna with extended range

Rugged tamper-proof multiband MiMo antenna combining all major cellular bands and 4 GNSS applications. The antenna is ideal for fleet management, IoT and M2M applications providing a stable connection in critical areas. The antenna is offered with customer specified cables and connectors.

- Excellent performance, VSWR below 2.5 in 92% of the specified band
- IP67 water proof design for professional use
- Low profile design
- Ground plane independent

## ELECTRICAL SPECIFICATIONS

|                             |  |
|-----------------------------|--|
| Frequency                   | 698 -790 / 790- 960 / 1710 - 2690 / 3300-3800 MHz  |
| Impedance                   | 50 Ohm   |
| VSWR                        | <4.0:1 (698-790 MHz)<br><3.0:1 (790-960 MHz)<br><1.5:1 (1710-2170 MHz, 2300-2690 MHz)<br><2.0:1 (3300-3800 MHz)<br>Measured with 1.5 m cable |
| Isolation                   | > 6 dB   |
| Satellite System            | GLONASS, GPS, Galileo and BeiDou   |
| Polarisation                | 5G-NR/LTE/GSM/UMTS: Linear, GNSS: RHCP   |
| Gain                        | 0 dBd, 2.1 dBi (698-960 MHz)<br>1 dBd, 3.1 dBi (790-960 MHz, 1710-2170 MHz)<br>3 dBd, 5.1 dBi (2300-2690 MHz, 3300-3800 MHz)                 |
| Max. Input Power            | 10 W   |
| LNA Gain                    | 26 dB (GNSS)   |
| Noise Figure                | 1.35 dB (GNSS)   |
| Supply Voltage              | 3-5.5 VDC (Via cable)(GNSS)  |
| Average Current Consumption | 20 mA (GNSS)   |
| Antistatic Protection       | Direct Ground (DC-short)   |



Datasheet

MECHANICAL SPECIFICATIONS

|                       |  |
|-----------------------|--|
| Color                 | Black  |
| Height                | 46 mm (Above surface when mounted)   |
| Weight                | 160 g  |
| Diameter              | Ø 111 mm   |
| Mounting Place        | On vertical or horizontal surfaces (conductive or non-conductive).<br>E.g. car roofs, metering cabinets and brackets |
| Mounting hole         | Ø 16 - 17 mm   |
| Materials             | ABS, silicon, brass, PVC, PE and PCB   |
| Operating Temperature | -40°C to +85°C   |
| Connector 1           | LTE (Red): SMA-male (Other types available)  |
| Connector 2           | LTE (Red): SMA-male (Other types available)  |
| Connector 3           | GNSS (Blue): SMA-male (Other types available)  |
| Cable                 | RG174/U  |
| Ingress protection    | IP67 (when mounted)  |

ORDERING INFORMATION

|           |                            |
|-----------|----------------------------|
| 48112-001 | 3 x 2.0 m cable + SMA-male |
|-----------|----------------------------|

PACKAGING INFORMATION

|      |   |
|------|---|
| Type | Bulk paking or individually packing in Polybag (See "ORDERING INFORMATION") |
|------|---|

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