

Commutr®

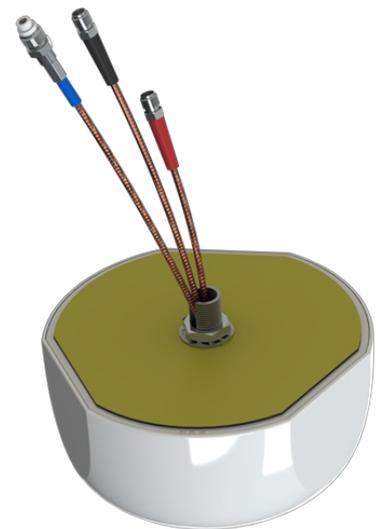
Compact Multiband 2G/3G/4G/IoT/GNSS Mobile Antenna

Full omni-directional multiband antenna for through-hole roof mounting. Especially made for demanding mobile communication applications on trucks and buses.

- 10 BANDS IN ONE INSTALLATION (LTE/GSM/UMTS/WLAN/GNSS)
- LOW PROFILE DESIGN
- ACTIVE GNSS ANTENNA
- WiFi-6E AND WiFi-7 COMPATIBLE
- WIDE RANGE OF EXTENSION CABLES AVAILABLE (NOT INCLUDED)

ELECTRICAL SPECIFICATIONS

| | |
|------------------------------|--|
| Frequency | 790 - 869 MHz, 824 - 894 MHz, 890 - 960 MHz, 1710 - 1880 MHz, 1850 - 1990 MHz, 1850 - 2170 MHz, 2412 - 2484 MHz, 2500 - 2690 MHz, 4915 - 7125 MHz, 1561.1 - 1605.4 MHz |
| Bandwidth | See "FREQUENCY" |
| Impedance | 50 Ohm |
| VSWR | < 2.5 (790-960 MHz), < 2.0 (1710-2170), < 2.5 (2500-2690 MHz) |
| Satellite System | GLONASS, GPS, Galileo and BeiDou |
| Polarisation | Linear |
| Gain | 0 dBd, 2.15 dBi |
| Max. Input Power | 3 W (LTE/GSM/UMTS/WLAN) |
| LNA Gain | 26 dB (GNSS) |
| Noise Figure | 1.35 dB (GNSS) |
| Supply voltage | 3 - 5.5 V DC (Fed via cable) (GNSS) |
| Current consumption, average | 20 mA |



Datasheet

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MECHANICAL SPECIFICATIONS

| | |
|-----------------------|--|
| Color | Glossy White |
| Weight | 175 g |
| Diameter | 124 mm |
| Mounting | Bolt-on with adhesive tape for effective sealing |
| Mounting Place | On horizontal surface (conductive or non-conductive) |
| Height above roof | 61.5 mm |
| Mounting hole | Ø 13 - 20 mm |
| Build-in Depth | Approx. 17 mm |
| Materials | ASA, PCB, PE, copper, brass and stainless steel. |
| Operating Temperature | -40°C to +85°C |
| Connector | LTE/GSM/UMTS: SMA-female (Red coding on cable) |
| Connector2 | WLAN: SMA-female (Black coding on cable) |
| Connector3 | GNSS: FME-female (Blue coding on cable) |
| Cable | 0.2 - 0.3 m fixed to the antenna (Extension cables not supplied - please order separately) |
| Ingress protection | IP66 |

ORDERING INFORMATION

| | |
|-----------|--|
| 48003-000 | Antenna only |
| 48003-001 | Antenna only - Packed in polybag |
| 48003-021 | Antenna + 3 x 3m adapter cables in polybag |
| 48003-041 | Antenna + 3 x 5m adapter cables in polybag |

PACKAGING INFORMATION

| | |
|--------|--|
| Type | Polybag or bulk (See "Ordering Information") |
| size | 150 x 150 x 150 mm |
| weight | Approx. 0.2 kg |

