

WTA5G

Wideband Terminal Antenna with fixed cable for IoT and M2M Applications

Rugged tamper-proof wideband terminal antenna combining the cellular/mobile GSM(2G), UMTS(3G), LTE(4G), 5G NR(5G) and WiFi frequencies. The antenna is ideal for fleet management, IoT and M2M applications providing a stable connection in critical areas.

- Tamper proof design
- IP65 water proof design for professional use
- Fixed cable for easy installation
- Multiband:
 - 5G 600/700/800/900/1800/2100/2600/3500 MHz
 - LTE 600/700/800/1800/1900/2600 MHz
 - GSM 850/900/1800/1900 MHz
 - UMTS 700/800/900/2100 MHz
 - WiFi 2.4 GHz

ELECTRICAL SPECIFICATIONS

| | |
|------------------|---|
| Antenna Type | Wideband end-fed - groundplane needed |
| Frequency | 617 - 960 MHz, 1427 - 1518 MHz, 1710 - 2170 MHz, 2300 - 2690 MHz, 3300 - 3800 MHz |
| Bandwidth | See "FREQUENCY" |
| Impedance | 50 Ohm |
| VSWR | < 3.0:1 (617 - 960 MHz), < 2.0:1 (1427- 2690 MHz, 3300 - 3800 MHz) Measured with 1.5 m RG58 cable on a Ø 50 cm ground plane |
| Gain | -1 dBd, 1.15 dBi (617-790 MHz) 0 dBd, 2.15 dBi (790-960 MHz) 3 dBd, 5.15 dBi (1427- 2690 MHz) 5 dBd, 7.15 dBi (3300-3800 MHz) Measured on a Ø50 cm ground plane |
| Polarisation | Linear |
| Max. Input Power | 40 W |



Datasheet

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MECHANICAL SPECIFICATIONS

| | |
|-----------------------|---|
| Color | Black and silver |
| Dimensions | Ø 46 x 110 mm |
| Weight | 113 g |
| Mounting | Bolt-on with adhesive |
| Mounting Place | On vertical or horizontal surfaces (conductive). E.g. car roofs, metering cabinets and brackets |
| Mounting Hole | Ø 16 - 17 mm |
| Materials | ABS, rubber, brass, PVC, PE and PCB |
| Operating Temperature | -40°C to +85°C |
| Connector | See 'Ordering Information' |
| Cable | RG58/U |
| Ingress Protection | IP65 (when mounted) |
| Serial | On product label |

ORDERING INFORMATION

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|-----------|--|
| 48201-000 | 10.0 m RG58/U + SMA-male - Bulk Packaging |
| 48201-010 | 5.0 m RG58/U + SMA-male - Bulk Packaging |
| 48201-001 | 10.0 m RG58/U + SMA-male - In Polybag |
| 48201-011 | 5.0 m RG58/U + SMA-male - In Polybag |
| 48201-103 | 10.0 m RG58/U + SMA-male + Mount (10000-141) - Box |
| 48201-113 | 5.0 m RG58/U + SMA-male + Mount (10000-141) - Box |

