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

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
Moungting 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

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