



Teltonika | PR1KC640 | 5G Combo MIMO Mobile / GNSS / WiFi Roof SMA Antenna

Product Images



Description

Teltonika | PR1KC640 | 5G Combo MIMO Mobile / GNSS / WiFi Roof SMA Antenna | Suitable for RUTX50, TRB500

Experience unparalleled connectivity with the Teltonika PR1KC640 5G Combo MIMO Mobile/GNSS/WiFi Roof SMA Antenna, a versatile and high-performance solution tailored for [RUTX50](#) and [TRB500](#) devices. This innovative antenna combines three essential functions – 5G Mobile MIMO, GNSS, and WiFi MIMO – ensuring optimal signal reception across various frequency ranges. With a linear polarization and a gain of 4.0 dBi, the 5G Mobile MIMO Antenna covers a broad frequency range from 617 to 4200 MHz, providing excellent connectivity for demanding applications.

The GNSS Antenna, equipped with Right-Hand Circular Polarization (RHCP), operates within a frequency range of 1164 to 1610 MHz. Its 40 ± 2 dB LNA Gain ensures precise positioning, making it ideal for location-based services. The WiFi MIMO Antenna, covering frequencies from 2400 to 5925 MHz, boasts a gain of 4.0 dBi, optimizing WiFi signal reception. With a compact and robust design, the PR1KC640 features a weather-resistant radome made of UV-resistant ABS/PC material, ensuring durability and an IP67 ingress protection rating.

Installation is effortless with the screw-mount method and recommended dimensions, while the 7 x LMR100 cables, each 3000 mm long, provide flexibility for optimal antenna placement. Operating in extreme temperatures from -40 °C to $+85$ °C, this antenna is built to withstand diverse environmental conditions. The Teltonika PR1KC640 is RoHS compliant, aligning with environmental standards. Elevate your connectivity experience with this 5G Combo Antenna, designed for reliability, versatility, and high-performance across mobile, GNSS, and WiFi applications.

SPECIFICATIONS

5G Mobile Mimo Antenna

- **Frequency Range:** 617 - 960 / 1710 - 2690 / 2900 - 4200 MHz
- **Polarization:** Linear
- **Gain:** 4.0 dBi
- **V.S.W.R.:** ≤ 3.0
- **Impedance:** 50 Ω
- **Connector type and count:** 4x SMA Male

GNSS Antenna

- **Frequency range:** 1164 - 1300 / 1559 - 1610 MHz
- **Polarization:** RHCP
- **Supply voltage:** 3 - 12 VDC
- **LNA Gain:** 40 ± 2 dB
- **V.S.W.R.:** ≤ 2.0
- **Impedance:** 50 Ω
- **Current Consumption:** ≤ 60 mA
- **Connector type and count:** SMA Male

Wifi Mimo Antenna

- **Frequency range:** 2400 - 2483.5 / 4900 - 5925 MHz
- **Polarization:** Linear
- **Gain:** 4.0 dBi
- **V.S.W.R.:** ≤ 2.5
- **Impedance:** 50 Ω
- **Connector type and count:** 2x RP SMA Male

Mechanical / Environmental

- **Mounting method:** Screw
- **Radome ingress projection rating:** IP67 (exclude cable outlet)
- **Radome material:** UV-Resistant ABS/PC
- **Weight:** 960 ± 30 g
- **Housing dimensions:** 189 x 182 x 85 mm
- **Cable:** 7 x LMR100, 3000 mm
- **Recommended mounting dimensions:** Hole $\varnothing 28$ mm, panel thickness MAX 8 mm
- **Operating temperature:** -40 °C - $+85$ °C
- **RoHS Compliant:** ✓

WARRANTY

2-years limited warranty

