



## Teltonika | PR1KCL28 | Combo Quad Mobile / GNSS Roof SMA Antenna

### Product Images



### Description

## Teltonika | PR1KCL28 | Combo Quad Mobile / GNSS Roof SMA Antenna | Suitable for RUTX12, RUTX14

Elevate your mobile and satellite connectivity with the Teltonika PR1KCL28 Combo Quad Mobile/GNSS Roof SMA Antenna, specifically engineered for [RUTX12](#) and [RUTX14](#) devices. This high-performance antenna offers a comprehensive solution, featuring a GNSS antenna for precise satellite positioning and an LTE MIMO antenna for robust mobile connectivity. The GNSS antenna operates at a frequency range of 1575 MHz, providing accurate positioning for location-based services, while the LTE MIMO antenna covers a broad frequency range from 698 to 2690 MHz, ensuring reliable mobile communication.

The GNSS antenna boasts an impressive LNA gain of 28 dB and a low noise figure of  $\leq 1.5$  dB, ensuring optimal performance in satellite positioning. The LTE Mimo antenna, with a gain of 3.0 dBi, enhances your mobile signal reception for seamless connectivity. With a robust design featuring UV-resistant plastic and cable, the PR1KCL28 is built to withstand challenging environmental conditions. Its IP65 rating ensures protection against dust and water ingress, making it suitable for various outdoor applications.

Designed for easy installation, the PR1KCL28 comes with a screw mounting method, and its compact dimensions of  $\text{Ø}110.0 \times 53.0$  mm make it suitable for various surfaces. The antenna's RoHS compliance underscores its commitment to environmental standards. Upgrade your connectivity experience with the Teltonika PR1KCL28 Combo Quad Mobile/GNSS Roof SMA Antenna, offering a reliable and high-performance solution for mobile and satellite communication needs.

## SPECIFICATIONS

### GNSS Antenna

- **Frequency range:** 1575 MHz  $\pm$  3 MHz
- **Polarization:** RHCP
- **V.S.W.R.:**  $< 2.0$
- **Impedance:** 50  $\Omega$
- **LNA gain:** 28  $\pm$  2 dB
- **LNA Noise Figure:**  $\leq 1.5$  dB
- **Supply Voltage:** 3.0 – 5.0 VDC
- **Current Consumption:**  $< 15$  mA

### LTE Mimo Antenna

- **Frequency range:** 698 ~ 960 / 1710 ~ 2690 MHz
- **Polarization:** Linear
- **Gain:** 3.0 dBi
- **V.S.W.R.:**  $< 3.0$
- **Impedance:** 50  $\Omega$
- **Connector type:** 4x SMA Male

### Mechanical / Environmental

- **Mounting method:** Screw
- **Radome ingress protection rating:** IP65
- **Radome material:** UV resistant plastic and cable
- **Weight:** 540 g
- **Housing dimensions:**  $\text{Ø}110.0 \times 53.0$  mm
- **Cable:** 5x RG174, 3000 mm
- **Operating temperature:**  $-40$   $^{\circ}\text{C}$  ~  $+85$   $^{\circ}\text{C}$
- **UV resistance:** ✓
- **RoHS compliant:** ✓

## WARRANTY

2-years limited warranty

