



# Teltonika | PR1KCO28 | Combo MIMO Mobile / GNSS / WiFi Roof SMA Antenna

## Product Images

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## Description

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# Teltonika | PR1KCO28 | Combo MIMO Mobile / GNSS / WiFi Roof SMA Antenna | Suitable for RUT2xx, RUT9xx, RUT360, RUTX09, RUTX10, RUTX11, RUTX12, RUTX14, RUTXR1

Maximize your mobile connectivity with the Teltonika PR1KCO28 Combo MIMO Mobile/GNSS/WiFi Roof SMA Antenna, purpose-built for compatibility with RUT200, [RUT240AU](#), [RUT241](#), [RUT360](#), RUT901, [RUT950](#), [RUT951](#), [RUT955AU](#), [RUT956](#), [RUTX09](#), [RUTX10](#), [RUTX11](#), [RUTX12](#), [RUTX14](#) and [RUTXR1](#) routers. This versatile antenna integrates three key functionalities to optimize your network performance: GNSS, LTE MIMO, and WiFi MIMO.

The GNSS antenna, operating in the frequency range of 1575 ~ 1610 MHz, ensures accurate positioning and navigation with a RHCP polarization. With a powerful LNA gain of  $28 \pm 2$  dB and low noise figure of 1.5 dB, it provides enhanced sensitivity for precise location services. The LTE MIMO antenna spans the frequencies of 698 ~ 960 and 1710 ~ 2690 MHz, offering robust cellular connectivity with its linear polarization and 3.0 dBi gain. The WiFi MIMO antenna covers the frequencies from 2400 ~ 2483 and 4900 ~ 5825 MHz, delivering high-speed wireless connectivity with a 2.0 dBi gain.

Designed for durability and ease of installation, the PR1KCO28 features a robust black ABS radome with an IP65 ingress protection rating, ensuring protection against harsh environmental conditions. The screw-mounting method simplifies installation, making it suitable for a variety of applications. With a cable length of 3000 mm and compliance with RoHS standards, this antenna offers a comprehensive solution for enhancing your mobile, GNSS, and WiFi capabilities, weighing in at a lightweight 550 g. Upgrade your Teltonika routers with the PR1KCO28 for reliable and efficient tri-functional connectivity.

## SPECIFICATIONS

### GNSS Antenna

- **Frequency range:** 1575 ~ 1610 MHz
- **Polarization:** RHCP
- **Impedance:** 50  $\Omega$
- **LNA gain:**  $28 \pm 2$  dB
- **LNA noise figure:** 1.5 dB
- **Supply voltage:** 3.0 – 5.0 VDC
- **Current consumption:** 15 mA
- **LNA VSWR:** 2.0
- **Connector type:** SMA Male

### LTE MIMO Antenna

- **Frequency range:** 698 ~ 960, 1710 ~ 2690 MHz
- **Polarization:** Linear
- **Gain:** 3.0 dBi
- **VSWR:** 3.0
- **Impedance:** 50  $\Omega$
- **Connector type:** 2x SMA Male

### Wifi MIMO Antenna

- **Frequency range:** 2400 ~ 2483, 4900 ~ 5825 MHz
- **Polarization:** Linear
- **Gain:** 2.0 dBi
- **VSWR:** 2.5
- **Impedance:** 50  $\Omega$
- **Connector type:** 2x RP-SMA Male

### Mechanical / Environmental

- **Mounting method:** Screw

- **Radome ingress protection rating:** IP65
- **Radome material:** Black ABS
- **Housing dimensions:** Ø 110 x 55 mm
- **Cable:** 5x RG174, 3000 mm
- **RoHS compliant:** ✓
- **Weight:** 550 g

## WARRANTY

2-years limited warranty

