TP5387SDK

CALIAN
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TP5387 High-Precision Smart GNSS Antenna with RTK and IMU SDK



TW5387 Smart GNSS Antenna | High-Precision | IMU | RTK | ST TESEO V (Quectel LG69TAP)

Overview

Calian's High-Precision Smart GNSS antennas integrate advanced receivers connecting Position, Navigation, and Timing resources to host systems over robust digital interfaces.

Calian SDK's are a plug-and-play evaluation platform for our Smart Antennas with tools such as: TruPrecision Software, complimentary augmentation subscription services and USB bridge devices, as required, for plug and play operation.

Features:

- NTRIP client for RTK Rover Configurations (cm-level accuracy).
- Compatible with network and local RTK.
- Improved noise immunity with multi-band ST TESEO V GNSS Receiver chipset (Quectel).
- NMEA monitoring, satellite visibility and signal strength, GNSS status monitoring, Inertial Measurement Unit Sensor Fusion status and logging tools with visual state heat-map.
- Status console to pinpoint issues between antenna, corrections and network connections.
- Limited trials for subscription services.
- ROS2® drivers also available (click logo on page 2).

Complimentary trials of:

- u-Blox PointPerfect Flex PPP-RTK Service (60 days).
- Swift Navigation Skylark Cx Precision Positioning Service (6 months).
- Point One Navigation Polaris RTK (1 year free service).

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What's included:

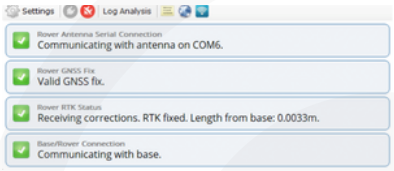
The Calian TruPrecision SDK is a Windows application which provides an autonomous connection to stream RTK corrections to the TW5387 Smart Antenna via a USB Serial Bridge which also provides a Virtual COM Port to allow customers to connect their existing applications to the Calian Smart GNSS Antenna high precision "corrected" position data output as NMEA formatted messages.



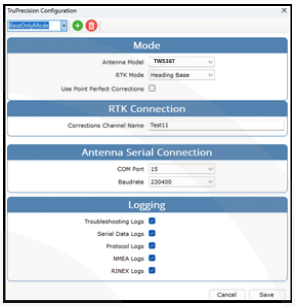
TW5387
Smart GNSS Antenna



Serial to
USB Bridge



TruPrecision
Software



TruPrecision Software
Configuration

TP5387SDK includes:

- Calian TW5837 Smart GNSS Antenna (on board Quectel LG69TAP receiver module)
- Calian 1 x 23-0067-0: 10 cm ground plane
- Calian USB Serial Bridge (see ordering information)
- Calian TruPrecision Application for correction streaming
- Complimentary corrections services trials (see feature list on page one)

Ordering Information:

- **33-TP5387SDK-2:** 33-5387-27-10-05-PC0 (RS-232) + 33-0095-13 USB to serial bridge

PointPerfect Flex
GNSS correction service

swift NAVIGATION

point one

Complimentary Corrections Trials

ublox
Design Partner

Receivers

ROS 2™

ROS2® Drivers
(Click logo)

About Calian

We keep the world moving forward. Calian® helps people communicate, innovate, learn and lead safe and healthy lives. Every day, our employees live our values of customer commitment, integrity, innovation and teamwork to engineer reliable solutions that solve complex problems. That's Confidence. Engineered. A stable and growing 40-year company, we are headquartered in Ottawa with offices and projects spanning North American, European and international markets. Visit **calian.com** to learn about innovative healthcare, communications, learning and cybersecurity solutions.

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