

## 📍 TW5387 High-Precision Smart GNSS Antenna with RTK and IMU SDK

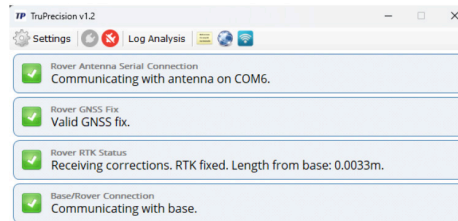
Calian's High Precision Tallysman **Smart GNSS antennas** integrate advanced receivers with High Precision Tallysman GNSS antennas, connecting Position, Navigation and Timing resources to host systems over digital interfaces.

Calian Smart GNSS SDK's are a plug and play evaluation platform for Calian's Smart Antennas, with tools such as TruPrecision Software, short term complimentary augmentation subscription services and simple connection to a PC.

The TP5387SDK supports the TW5387 High Precision GNSS Smart Antenna with L1/L5 and IMU. TW5387 incorporates the ST TESEO VL1/L5 GNSS receiver. It features:

- NTRIP client for RTK Rover Configurations (cm-level accuracy)
- 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

## Calian TW5387 High Precision GNSS Antenna SDK



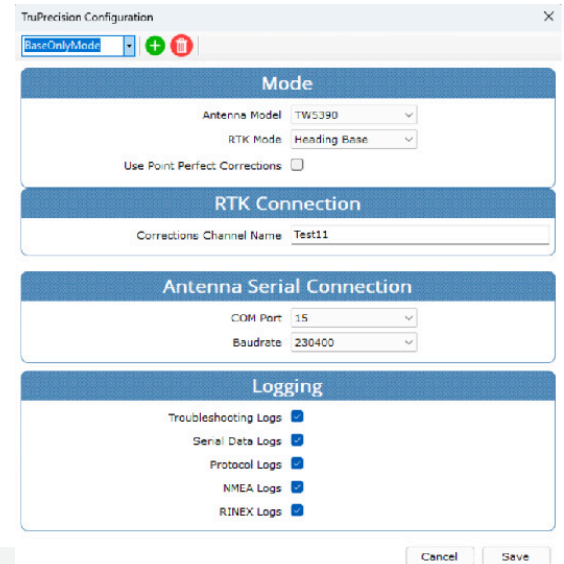
TW5387 Smart GNSS Antenna

TruPrecision Software

### TW5387 SDK ordering:

- **33-TP5387SDK-0:** Calian 33-5387-07-10-05-PC0 (RS-422) + 33-0095-10 USB to serial bridge
- **33-TP5387SDK-2:** Calian 33-5387-27-10-05-PC0 (RS-232) + 33-0095-13 USB to serial bridge
- **TP5387SDK includes:**
  - TW5387 Smart GNSS Antenna (on board Quectel LG69TAP receiver module)
  - 33-0095-10 or 33-0095-13 USB-Serial Bridge
  - Complimentary u-blox PointPerfect PPP-RTK service (2 months)
  - Complimentary Swift Navigation Cx Precision Positioning Service (6 months)
  - Complimentary Point One Navigation RTK services (2 weeks)

The TruPrecision SDK application 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.



### 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](http://calian.com) to learn about innovative healthcare, communications, learning and cybersecurity solutions.

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