

⌚ TW5394 High-Precision Smart GNSS Antenna with L-Band PPP-RTK and Precise Heading 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.

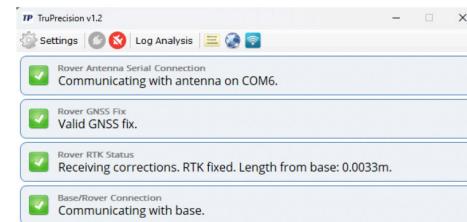
The TW5394SDK supports the TW5394 High Precision GNSS Smart Antenna with L-Band PPP-RTK and Precise Heading. TW5394 incorporates the u-Blox ZED-F9P GNSS receiver and NEO-D9S L-Band receiver. It features:

- MQTT client for PointPerfect PPP-RTK Corrections over L-Band or terrestrial network (sub 6cm accuracy)
- NTRIP client for RTK Base/Rover Configurations (cm-level accuracy)
- NMEA monitoring, satellite visibility and signal strength, GNSS status monitoring and logging tools, with visual state heat-map
- Status console to pinpoint issues between antenna, connections and network corrections
- Complimentary trials of u-blox PointPerfect PPP-RTK service, Swift Navigation Skylark Cx Precise Positioning service and Point One Navigation Polaris RTK Service

Calian TW5394 High Precision Smart GNSS Antenna with L-Band and Precise Heading SDK



TW5394 Smart GNSS Antenna



TruPrecision Software



Complimentary Corrections Trials



RS-422 Serial to USB Bridge

⌚ TW5394 SDK includes:

- Calian TW5394 Dual Frequency Precise Heading Smart Antenna/Receiver with L-Band
- Calian USB Serial Bridge (see ordering information)
- Calian TruPrecision Application for monitoring, configuration and correction streaming
- ComplimentaryTrial subscriptions to: u-blox PointPerfect PPP-RTK (60 days); Swift Navigation Skylark Cx Precise Positioning Service (6 months); Point One Navigation Polaris RTK (2 weeks)

Ordering Information:

- 33-TP5394SDK-0 (RS-422 RJ45) (33-0095-10 USB-Serial)
- 33-TP5394SDK-2 (RS-232 RJ45) (33-0095-16 USB-Serial)

The TruPrecision SDK application is a Windows application which provides an autonomous connection to stream RTK corrections and decryption keys to the TW5394 Smart Antenna via the the USB Serial Bridge, which also provides a Virtual COM Port to allow customers to connect their existing applications to the Calian Tallysman Smart GNSS Antenna high precision "corrected" position data output. The position data may be either NMEA or UBX formatted messages. ROS2® Drivers are available to integration with ROS2 open framework projects.

ROS2® Drivers

<https://github.com/Calian-gnss/calian-gnss-ROS2-drivers>



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.

info.gnss@calian.com | +1 613 591-3131 

