TP5384SDK

TP5384 High-Precision Smart GNSS Antenna with PPP-RTK and Moving Base Precise Heading SDK

◉ TW5384 High-Precision Smart GNSS Antenna | PPP-RTK | Moving Base Precise Heading* | u-blox ZED-F9P

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:

- MQTT client for PointPerfect Flex PPP-RTK Corrections over terrestrial network (sub 6 cm accuracy).
- NTRIP client for RTK Base/Rover Configurations (cm-level accuracy).
- Compatible with network and local RTK.
- 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.
- 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).

* 2 SDK's are required for Moving Base Precise Heading functionality

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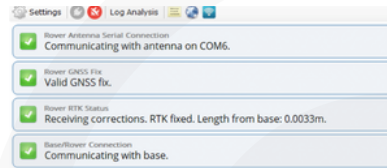
◉ TP5384SDK
What's included:

The Calian TruPrecison SDK is a Windows application which provides an autonomous connection to stream PointPerfect Flex IP corrections and decryption keys to the TW5384 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. The position data may be either NMEA or UBX formatted messages.
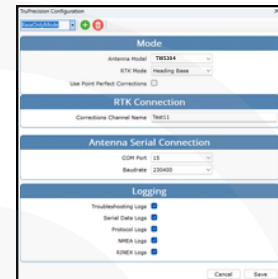

| TW5384 Smart GNSS Antenna | RS-422/485 to USB Bridge | TruPrecision Software | TruPrecision Software Configuration |

TP5384SDK includes:
- Calian TW5384 High-Precision Smart Antenna with PPP-RTK and Moving Base Precise Heading
- 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-TP5384SDK-0**: 33-5384-09-10-05-PC0 (RS-422) + 33-0095-10 USB to serial bridge
- **33-TP5384SDK-2**: 33-5384-29-10-05-PC0 (RS-232) + 33-0095-13 USB to serial bridge

PointPerfect Flex
GNSS correction service

swift NAVIGATION   point ⟨1⟩ one

Complimentary Corrections Trials

ublox
Design Partner

Receivers

⋮⋮ROS2™

ROS2® Drivers
(Click logo)