

CALIAN
Confidence. Engineered.

TP5386SDK

TW5386 Smart GNSS Antenna | High-Precision | IMU | RTK | u-blox ZED-F9R

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

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

Features:

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

Complimentary access to:

- u-Blox PointPerfect-Flex PPP-RTK Service (60 days)
- Swift Navigation Skylark Cx Precision Positioning Service (6 months)
- Point One Navigation Polaris RTK Service (2 weeks)
- Premium Positioning RTK (30 days)
- ONOCOY RTK service (100 credits)



calian.com/gnss

TP5386SDK

High Precision Smart GNSS Antenna with PPP-RTK and IMU

The Calian TruPrecision SDK is a Windows application which provides an autonomous connection to stream corrections and decryption keys to the TW5386 Smart GNSS Antenna via a USP serial bridge, which also provides a Virtual COM Port to allow customers to connect their existing applications to the Calian Smart GNSS Antenna "corrected" position data output. The position data may be either NMEA or UBX formatted messages.



TW5386 Smart GNSS Antenna | Serial to USB Bridge | TruPrecision Software | Corrections Service connections

TP5386SDK includes:

- 1 x Calian TW5386 High-Precision Smart GNSS Antenna with PPP-RTK and IMU | integrated u-blox ZED-F9R
- 1 x 23-0067-0: 10 cm aluminum 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 of this brochure)

Ordering Information:

- **33-TP5386SDK-0:** 33-5386-07-10-05-PC0 (RS-422) + 33-0095-10 USB to serial bridge
- **33-TP5386SDK-2:** 33-5386-27-10-05-PC0 (RS-232) + 33-0095-13 USB to serial bridge

PointPerfect Flex GNSS correction service
SKYLARK® Precise Positioning Service
point one
Premium Positioning
onocoy

Complimentary Corrections Partners

ublox Design Partner
Receivers
ROS 2™
ROS2® Drivers

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About Calian

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info.gnss@calian.com | 1.613.591.3131