TP5398SDK

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TP5398 Full Band Smart GNSS Antenna SDK for ublox ZED-X20P

Unlock the Full-Band Revolution

◉ ## TW5398 Full Band Smart GNSS Antenna | High-Precision | u-blox ZED-X20P | L-Band

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 Corrections over L-Band or 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.
- L1, L2, L5, L6/E6 L-Band; Galileo High Accuracy Service (HAS); Galileo OSNMA anti-spoofing.
- ROS2® drivers also available (click logo on page 2).

Complimentary trials of compatible corrections services from:

- u-blox PointPerfect Flex PPP-RTK
- Swift Navigation Skylark
- Point One Navigation Polaris

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What's Included:

The Calian TruPrecision SDK is a Windows application which provides an autonomous connection to stream RTK corrections and decryption keys to the TW5398 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.

TW5398 Smart GNSS Antenna	Serial to USB Bridge	TruPrecision Software	TruPrecision Software Configuration

TP5398 SDK includes:
- 1 x Calian 33-5398-09-10-11-PCO (RS-422) or 33-5398-29-10-11-PC0 (RS-232).
- Calian 1 x 23-0067-0: 10 cm ground plane.
- Calian USB Serial Bridge (see ordering information).
- Calian TruPrecision Application for correction streaming.
- Limited Complimentary access to corrections services (see feature list on page one).

Ordering Information:
- **33-TP5398SDK-0**: (RS-422 RJ45) (33-0095-11 USB-Serial)
- **33-TP5398SDK-2**: (RS-232 RJ45) (33-0095-16 USB-Serial)

PointPerfect Flex
GNSS correction service

swift NAVIGATION   point⟨1⟩one

Complimentary Corrections Trials

ublox Design Partner

Receivers

⋮⋮⋮ROS2™

ROS2® Drivers
(Click logo)