

TP5398 Full Band Smart GNSS Antenna SDK for u-blox 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:

- NTRIP client for RTK Base/Rover Configurations (cm-level accuracy) and PointPerfect-Flex (sub 6 cm 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; Galileo OSNMA anti-spoofing; future support of Galileo High Accuracy Service (HAS) and L-Band pending u-blox ZED-X20P support.
- 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

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

TP5398SDK

What's Included:

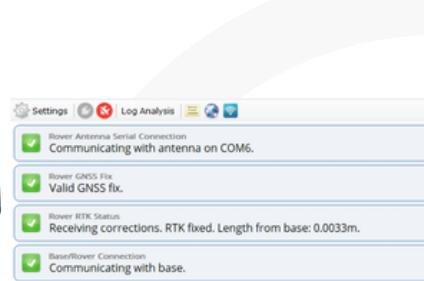
The Calian TruPrecision SDK is a Windows application which provides an autonomous connection to stream RTK corrections and decryption keys to the TW5398 Smart Antenna via a USB Serial Bridge, which also provides a Virtual COM Port to allow customers to connect their existing applications to the Calian Smart GNSS Antenna high precision “corrected” position data output. The position data may be either NMEA or UBX formatted messages.



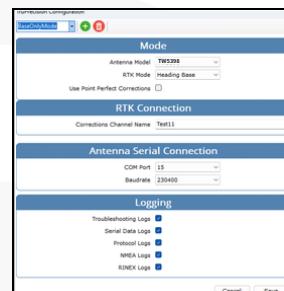
TW5398 Smart GNSS Antenna



Serial to USB Bridge



TruPrecision Software Configuration



TruPrecision Software Configuration

TP5398 SDK includes:

- 1x Calian 33-5398-09-10-11-PCO (RS-422) or 33-5398-69-10-05-PCO (RS-232).
- Calian 1x 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-6:** (RS-232 RJ45) (33-0095-16 USB-Serial)



Complimentary Corrections Trials



Receivers



ROS2® Drivers
(Click logo)

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.