

TP5794-PTONESDK

TP5794-PTONE Smart GNSS Antenna for Precise Positioning and Heading SDK



📍 TP5794-PTONE Smart GNSS Antenna | Moving Base Precise Heading | u-blox ZED-F9P | Complimentary Point One Navigation Polaris Trial

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 PPP-RTK Corrections over L-Band or terrestrial network (sub 6cm accuracy).
- NTRIP client for Swift Navigation Skylark Cx PPP-RTK Corrections (cm-level accuracy).
- Compatible with network and local RTK.
- NMEA monitoring, satellite visibility and signal strength, GNSS status monitoring, Inertial Measurement Unit monitoring 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 (click logo on page 2).
- **Complimentary Trial: Point One Navigation Polaris RTK corrections service (1 year).**

Get a free year of GNSS corrections for your Calian antenna

Access to the world’s largest, professionally-run RTK corrections network. Get unmatched coverage, accuracy, and security. Get your promo code for a free year when you purchase a Calian Smart Antenna.

→

LEARN MORE
pointonenav.com/calian-dev-kit



ACCESS TO

1-3 centimeter
Horizontal and vertical accuracy

Immediate fix time
Instant convergence with True RTK

Global coverage
Available across the US, UK, EU, KOR, AUS, NZ & JP

All four constellations tracked
GPS, Glonass, Galileo & Beidou

GraphQL API
One powerful endpoint for total fleet control

Survey grade installation
Daily monitored security, power, and connectivity redundancy

Includes access to Virtual RTK
Leveraging SSR technology

RTCM correction data
Via NTRIP or custom API

Base stations
Designed, manufactured & assembled in the USA

QUALIFY FOR

Engineering support
For your project or application

Positioning engine & dead reckoning
Software for GPS-denied localization

OEM pricing
For projected production volumes

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What's included:

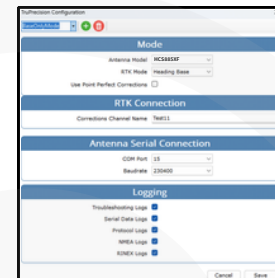
The Calian TruPrecision SDK is a Windows application which provides an autonomous connection to stream Polaris corrections to the TP5794 Smart Antenna. Additionally, a Virtual COM Port is provided to allow customers to connect to their existing applications within the Calian Smart GNSS Antenna high precision "corrected" position data output. The position data may be either NMEA or UBX formatted messages.



TP5794
Smart GNSS Antenna



TruPrecision
Software



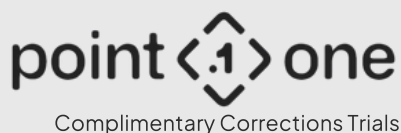
TruPrecision Software
Configuration

TP5794-PTONESDK includes:

- Calian TP5794 Smart GNSS Precise Heading Antenna
- Calian 1x 23-0067-14: ten cm ground plane (see ordering information)
- Calian TruPrecision Application for correction streaming
- Complimentary corrections services trials (see feature list on page one)

Ordering Information:

- **33-TP5794SDK-PTONE-1:** (USB)(33-5794-19-10-OS)
- **33-TP5794SDK-PTONE-2:** (RS-232)(33-5794-29-10-05-PC0 + 33-0095-16)



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.