HCS885XFSDK-PTONE

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◉ [HCS885XF Smart GNSSS Helical Antenna](#) | Moving Base Precise Heading* | u-blox NEO F9P | Complimentary Corrections from Point One Navigation

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 licenses to Polaris RTK corrections from Point One Navigation, and USB bridge devices, as required, for plug and play operation.

Features:

- NTRIP client for RTK Base/Rover Configurations (cm-level accuracy).
- Compatible with Polaris Virtual RTK and True RTK options from Point One Navigation.
- NMEA monitoring, satellite visibility and signal strength, GNSS status monitoring and logging tools, with visual state heat-map and message routing for sharing RTCM between base/rover pairs across the internet.
- Status console to pinpoint issues between antenna, connections and network corrections.
- ROS2® drivers also available (click logo on page 3).
- **1-year complimentary license to Polaris RTK corrections from Point One Navigation.**

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

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
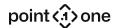
Engineering support
For your project or application

Positioning engine & dead reckoning
Software for GPS-denied localization

OEM pricing
For projected production volumes

sales@pointonenav.com   pointonenav.com

HCS885XFSDK-PTONE Smart GNSS Helical Antenna

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What's included:

The TruPrecison SDK application is a Windows application to provision your new HCS885XF Smart Antenna with a connection and license to Polaris RTK corrections from Point One Navigation. Once provisioned, the antenna continuously generates high precision "corrected" position data output as NMEA formatted messages. The included USB-to-Serial Bridge provides a virtual COM port to allow customers to connect their onboard navigation and mapping applications to receive these messages from the Calian Smart GNSS Antenna in real-time.

1 year free of GNSS Corrections

PROVIDED BY point ⟨1⟩ one

GNSS receiver by

HCS885XF GNSS Smart Antenna

TruPrecision Software

Serial to USB Bridge

HCS885XFSDK-PTONE includes:
- Calian HCS885XF Smart GNSS Precise Heading helical antenna with CMOS interface
- Calian JST to USB cable (see ordering information)
- Calian TruPrecision Application for correction streaming
- 1-year complimentary license to Polaris RTK corrections from Point One Navigation (see feature list on page one)

Ordering Information:
- **33-HCS885XFSDK-PTONE-4**: 33-HCS885XF-49 (CMOS to USB cable)

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Complimentary Corrections Trials

ublox Design Partner
Receivers

:::ROS2™
ROS2® Drivers
(Click logo)