

Precis-TX204 GNSS RTK Receiver

GPS L1L2/Beidou B1B2 with GSM/GPRS/EDGE

Precis-TX204 receiver is a new generation, integrated multi-GNSS receiver, which is a light-weight, rugged, all-in-one GNSS receiver with built-in centimeter accuracy RTK engine, onboard storage and versatile connectivity. The built-in battery can support up to 10 hours of continuous field work and up to 16GB SD card support provides more convenience and makes your field work easy. The rugged enclosure enables the receiver to work in harsh environment. The receiver is ideal for the following infrastructure applications:

- Providing Differential data or logging observation
- Providing centimeter level position and velocity information
- Precise tracking device for internet of things
- Providing precise navigation information for UAV and robotics



Key Features

- Supports 2 constellations, 4 frequencies
 - GPS L1L2/BDS B1B2
- Supports 128 GNSS channels
- Rapid RTK integer ambiguity resolution
- Supports 1Hz or higher position/velocity/time solutions
- Easy-to-use web-interface menu system for rapid configuration and status checking
- 16GB internal data storage for logging
- Integrated battery provides up to 10 hours of operation
- Integrated display and keypad for system configuration without a controller
- Integrated Bluetooth , Wi-Fi wireless technology
- Correction: RTCM 2.x/3.x and CMR/CMR+
- Supports GSM/GPRS/EDGE/receiving differential information and NTRIP protocol

Technical Support: support@tersus-gnss.com

Sales Inquiry: sales@tersus-gnss.com

Website: www.tersus-gnss.com



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Performance Specifications

- Channel Number128
- Frequencies GPS L1L2/BDS B1B2
- Standard Positioning Accuracy
 - Horizontal (RMS)1.5m
 - Vertical (RMS)3.0m
- RTK Positioning Accuracy
 - Horizontal (RMS).....10mm+1ppm
 - Vertical (RMS).....15mm+1ppm
- Observations Accuracy
 - C/A Code (zenith direction) 10cm
 - P Code (zenith direction) 10cm
 - Carrier Phase (zenith direction)1mm
- Time to First Fix (TTFF)
 - Cold start<60s
 - Warm start<10s
- Initialization (typical)..... <10s
- Initialization reliability>99.9%
- Differential Data FormatRTCM 2.X/3.2/CMR
- Update Rate 1Hz/>1Hz

Communication

- WIFI.....802.11b/g/n
- Bluetooth.....2.1+EDR
- GSM/GPRS/EDGEDual band
UMTS900/1800MHz
- Internet.....IEEE 802.3
- CAN.....ISO/DIS 11898

Physical Characteristics

- Input Voltage 12V~36V DC
- Internal battery.....7.4V,4300mAh
- Power Consumption (Typical) 3.5W
- Active Antenna Input Impedance.....50Ω
- Size 110x81x52mm
- Weight489g
- Antenna Connector..... SMA Receptacle
- Operating temperature.....-20°C to +60°C

Optional Accessories

- AX370X series geodetic grade high performance antenna
- Multi-purpose adaptor for RJ45, DB9 etc.

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