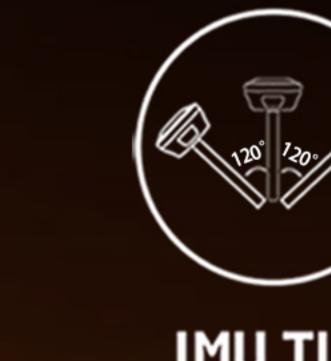
Specification>>>

| Performance Specification | |
|---|---|
| | GPS: L1C/A, L1C, L2P(Y), L2C, L5 |
| | GLONASS: L1, L2,L3 |
| Satellite signals tracked | BEIDOU: B1I, B2I, B3I, B1C, B2a, B2b |
| simultaneously | GALILEO: E1, E5a, E5b,E6 |
| | |
| | QZSS: L1, L2, L5, L6 |
| | SBAS: L1, L5 |
| | IRNSS: L5 |
| Channels | 1408 tracking Channels |
| Cold start | <60 s |
| Hot start | <15 s |
| Positioning output rate | 1Hz - 20Hz |
| Signal Reacquisition | <1s |
| RTK Initialization time | <10s |
| nitialization Reliability | >99.99% |
| · · · · · · · · · · · · · · · · · · · | 20 ns |
| Time accuracy | 20115 |
| Positioning ¹ | |
| - 1 1.66 | Horizontal: 0.25 m + 1 ppm RMS |
| Code differential | Vertical: 0.50 m + 1 ppm RMS |
| SNSS positioning | SBAS differential positioning |
| | accuracy: typically <5m 3DRMS |
| tatic CNICC arms ardinas | Horizontal: 2.5 mm + 0.5 ppm RMS |
| Static GNSS surveying | Vertical: 5 mm + 0.5 ppm RMS |
| Paal Tima Kinamatic Curvaving | |
| Real Time Kinematic Surveying | |
| Single Baseline < 30 KM | Horizontal: 8 mm + 1 ppm RMS |
| | Vertical: 15 mm + 1ppm RMS |
| Network RTK ³ | Horizontal: 8 mm + 0.5 ppm RMS |
| NELWOIK KIK | Vertical: 15 mm + 0.5 ppm RMS |
| HARDWARE | |
| PHYSYCAL | |
| Material | Magnesium alloy |
| | |
| Dimensions | 131×64mm |
| veight | 0.76kg |
| Operating temperature | -40°C to + 75°C |
| Storage temperature | -55°C to + 85°C |
| · · · · · · · · · · · · · · · · · · · | IP67 dust proof, protected from |
| Protection IP | 30min immersion to depth of 1m |
| Shock | Survive 2 m drop onto the concrete |
| | MIL-STD-810G |
| Vibration | |
| Humidity | 100%, condensing |
| ELECTRYCAL | |
| Power | 9~24 V DC external power |
| USB Type-C fast charging | Support |
| Battery capacity | Internal 7000mAh lithium-ion battery |
| Battery Life | Rover Mode: 15 hours |
| | Base Mode: 7 hours |
| | Static Mode: 17 hours |
| Canananai asti an O Data Ctanana | Static Mode: 17 Hours |
| Communication & Data Storage | |
| /O interface | |
| EMO port (5pin) | Supports power input, serial port control, |
| | and external radio communication |
| JSB Type-C port | Charging |
| Sim card slot | Supports Nano-SIM |
| Antenna port | UHF antenna interface |
| | OTH GIRCING HICCINGC |
| Radio modem | 4/6 |
| Transmit power | 1/2 w switchable,Work range can reach to |
| | 15km under AlphaTalk15 protocol |
| requency band | 410MHz-470MHz; supports to set the frequency |
| rotocols | AlphaTalk15, TrimTalk450s, SOUTH, Satel,PCC-EOT |
| | |
| | M/CDMM/CDMM/2000/TDD ITE/EDD ITE |
| Cellular | WCDINIA/CDINIA2000/TDD-LTE/FDD-LTE |
| Cellular ntegrated full frequency multi band 4G modem, supports V | WCDMA/CDMA2000/TDD-LTE/FDD-LTE |
| Cellular ntegrated full frequency multi band 4G modem, supports V NIFI | |
| Cellular ntegrated full frequency multi band 4G modem, supports V VIFI 302.11 b/g standard, access point & client mode, supports a | |
| Cellular ntegrated full frequency multi band 4G modem, supports V NIFI 302.11 b/g standard, access point & client mode, supports a Bluetooth | |
| Cellular ntegrated full frequency multi band 4G modem, supports V NIFI 302.11 b/g standard, access point & client mode, supports a Bluetooth | |
| Tellular Integrated full frequency multi band 4G modem, supports V WIFI 302.11 b/g standard, access point & client mode, supports a sluetooth Fully integrated Bluetooth V5.2, range ≤ 50m | |
| Tellular Integrated full frequency multi band 4G modem, supports VIIII INTERIGIANT SOCIETY OF STANDARD SUPPORTS A SUPPORT SOCIETY OF SUPPORTS A SUPPORT SOCIETY OF SUPPORTS A SUPPORT SOCIETY OF SUPPORT SOCIETY SOCIETY OF S | access to hotspot for correction transmission |
| Tellular Integrated full frequency multi band 4G modem, supports VIFI 302.11 b/g standard, access point & client mode, supports a sluetooth Fully integrated Bluetooth V5.2, range ≤ 50m Data format RTCM2x, RTCM3x, CMR & CMR+, sCMRx, Dat, RINEX, NMEA of | access to hotspot for correction transmission |
| Tellular Integrated full frequency multi band 4G modem, supports VIFI 302.11 b/g standard, access point & client mode, supports a sluetooth Fully integrated Bluetooth V5.2, range ≤ 50m Data format RTCM2x, RTCM3x, CMR & CMR+, sCMRx, Dat, RINEX, NMEA of storage | access to hotspot for correction transmission outputs |
| ntegrated full frequency multi band 4G modem, supports V VIFI 302.11 b/g standard, access point & client mode, supports a Bluetooth Fully integrated Bluetooth V5.2, range ≤ 50m Data format RTCM2x, RTCM3x, CMR & CMR+, sCMRx, Dat, RINEX, NMEA of torage GB internal memory, supports cyclic storage; with ability to | access to hotspot for correction transmission |
| Integrated full frequency multi band 4G modem, supports Voll Integrated full frequency multi band 4G modem, supports Voll Integrated Bluetooth Voll | access to hotspot for correction transmission outputs |
| Integrated full frequency multi band 4G modem, supports VIFI 302.11 b/g standard, access point & client mode, supports a sluetooth 4 ully integrated Bluetooth V5.2, range ≤ 50m 5 ata format 6 TCM2x, RTCM3x, CMR & CMR+, sCMRx, Dat, RINEX, NMEA of storage GB internal memory, supports cyclic storage; with ability to thers 6 tystem integration | occess to hotspot for correction transmission outputs o collect over one year raw observation based on 5 seconds interval |
| ntegrated full frequency multi band 4G modem, supports V VIFI 302.11 b/g standard, access point & client mode, supports a Sluetooth fully integrated Bluetooth V5.2, range ≤ 50m Data format RTCM2x, RTCM3x, CMR & CMR+, sCMRx, Dat, RINEX, NMEA of torage GB internal memory, supports cyclic storage; with ability to thers System integration | access to hotspot for correction transmission outputs |
| Tellular Integrated full frequency multi band 4G modem, supports by the standard, access point & client mode, supports a sluetooth If the standard supports a sluetooth with supports a support of the s | occess to hotspot for correction transmission outputs o collect over one year raw observation based on 5 seconds interval |
| ntegrated full frequency multi band 4G modem, supports V VIFI 302.11 b/g standard, access point & client mode, supports a Bluetooth fully integrated Bluetooth V5.2, range ≤ 50m Data format RTCM2x, RTCM3x, CMR & CMR+, sCMRx, Dat, RINEX, NMEA of the company of the compan | o collect over one year raw observation based on 5 seconds interval Intelligent LINUX operating system IMU up to 120° (Calibration free) |
| Integrated full frequency multi band 4G modem, supports by the supports a support by the supports a support by the suppor | occess to hotspot for correction transmission outputs o collect over one year raw observation based on 5 seconds interval Intelligent LINUX operating system |
| ntegrated full frequency multi band 4G modem, supports V NIFI 302.11 b/g standard, access point & client mode, supports a Bluetooth Fully integrated Bluetooth V5.2, range ≤ 50m Data format RTCM2x, RTCM3x, CMR & CMR+, sCMRx, Dat, RINEX, NMEA control Storage GB internal memory, supports cyclic storage; with ability to thers System integration OS system Filt Compensation Supported controllers Design | Intelligent LINUX operating system IMU up to 120° (Calibration free) All android devices with supported software |
| ntegrated full frequency multi band 4G modem, supports V NIFI 302.11 b/g standard, access point & client mode, supports a Bluetooth Fully integrated Bluetooth V5.2, range ≤ 50m Data format RTCM2x, RTCM3x, CMR & CMR+, sCMRx, Dat, RINEX, NMEA control Storage GB internal memory, supports cyclic storage; with ability to Others System integration OS system Filt Compensation Supported controllers Design | Intelligent LINUX operating system IMU up to 120° (Calibration free) All android devices with supported software |
| Tellular Integrated full frequency multi band 4G modem, supports V VIFI 802.11 b/g standard, access point & client mode, supports a Bluetooth Fully integrated Bluetooth V5.2, range ≤ 50m Data format RTCM2x, RTCM3x, CMR & CMR+, sCMRx, Dat, RINEX, NMEA o Storage GB internal memory, supports cyclic storage; with ability to Others System integration OS system Filt Compensation Supported controllers Design outton | Intelligent LINUX operating system IMU up to 120° (Calibration free) All android devices with supported software Power key Power indicator, data link indicator, |
| Tellular Integrated full frequency multi band 4G modem, supports W MIFI B02.11 b/g standard, access point & client mode, supports a Bluetooth Fully integrated Bluetooth V5.2, range ≤ 50m Data format RTCM2x, RTCM3x, CMR & CMR+, sCMRx, Dat, RINEX, NMEA o Botorage BGB internal memory, supports cyclic storage; with ability to Others Eystem integration DS system Filt Compensation Supported controllers Design Dutton | Intelligent LINUX operating system IMU up to 120° (Calibration free) All android devices with supported software |
| Cellular Integrated full frequency multi band 4G modem, supports V WIFI 802.11 b/g standard, access point & client mode, supports a Bluetooth Fully integrated Bluetooth V5.2, range ≤ 50m Data format RTCM2x, RTCM3x, CMR & CMR+, sCMRx, Dat, RINEX, NMEA o Storage | Intelligent LINUX operating system IMU up to 120° (Calibration free) All android devices with supported software Power key Power indicator, data link indicator, |

Support WEBUI configuration



PRECISE













FULL GNSS

Product Introduction >>>

L100 PRO is a new generation of compact smart GNSS receivers designed for various surveying projects using latest GNSS features. This receiver equipped with modern required technologies such as Bluetooth module, IMU tilt sensor, 7000mAh lithium-ion internal battery, etc. L100 PRO is able to work in different work modes (Network RTK, Static & PPK) based on different required accuracy & conditions. L100 PRO is the most economic GNSS package you can purchase to fulfill your technical needs on field!

Multi constellation

L100 PRO with its 1408 channels new generation full GNSS chipset & ability to support multiple satellite constellation including GPS, GLONASS, BEIDOU, GALILEO, QZSS, SBAS and IRNSS provides precise and accurate spatial data for all users around the world.

WiFi and WebUI

L100 PRO serves as a WIFI hotspot, so users can easily access, manage the status, set the configuration or download static and PPK raw data through advanced WebUI using computer, smartphone or other electronic devices with WIFI support without any need to third party software or cable.

IMU Tilt Sensor

L100 PRO is equipped with a fast initialization, calibration free & immune to magnetic interference Inertial Measurement Unit (IMU). All users can use this technology to collect or stakeout topo points up to 120°.

Working mode

Every surveyor needs to operate and choose suitable working method based on project requirements and required accuracy. In order to work in such condition users will need a device to be able to work in different modes such as Static, Network RTK, UHF RTK, PPK & etc. L100 PRO is offering all you need in a package!

IP67

Choosing a small, light but professional, reugged GNSS receiver has always been a concern among professional surveyors. L100 PRO with its high quality magnesium alloy body provides such advantages without decreasing quality or notable increase in price.

Battery & Power

L100 PRO is delivered with an internal large capacity 7000mAh lithium-ion internal battery supporting USB type-C fast charging which allows users to work for more than 12 hours in daily field work.

GSM & UHF radio

15KM

12h

A fast internet connection is guaranteed with a built-in 4G module that accelerate receiving correction data using all telecommunication signals and bands. L100 PRO comes with an integrated 15 km-range Tx/Rx internal UHF radio that ranges from 410 MHz to 470 MHz with selectable frequency providing ability to connect and collect accurate real time data in Base/Rover mode.