

TECHNICAL DATA



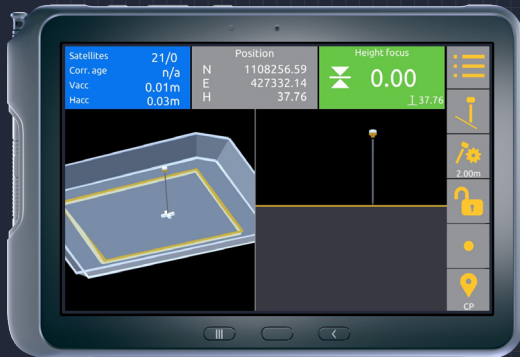
HARDWARE COMPONENTS

- RTK GNSS
Global Reach with Triple-Band Sattellite Tracking:
 - GPS: L1, L2, L5
 - GLONASS: L1, L2, L3
 - Beidou: B1, B2, B3
 - Galileo: E1, E5a, E5b, E6
- Tilt-compensation
- UHF Radio
- Carbon Fiber Pole
- Robust 8" Tablet & Display
- Tablet-Mount
- Optional Power Bank for Extended Run Time

SOFTWARE FUNCTIONS

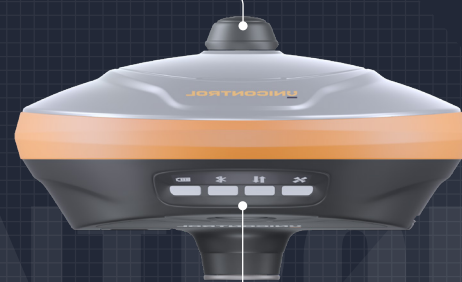
- Load XML & DXF design files
- Advanced In-field Designs
- Export designs: xml, dxf, csv, kof & pxy formats
- Volume Calculations
- Automatic Point Logging
- Automatic synchronization to UnicontrolCloud and other systems

ANDROID TABLET



SIM-CARD

UHF RADIO



INDICATOR LIGHTS

POWER BUTTON



5-PIN PORT

USB-C

SPEAKER

2-YEAR WARRANTY ON HARDWARE

TECHNICAL DATA



GNSS

Satellites Tracking

- GPS: L1CA/L1P/L1C/L2P/L2C/L5
- BeiDou: B1I/B2I/B3I/B1C/B2a/B2b
- GLONASS: G1/G2/G3, P1/P2
- Galileo: E1/E5a/E5b/E6/ALTB0C

Channels: 448

Signal Reacquisition: < 1 SEC

Cold Start: < 45 sec

Warm Start: < 20 sec

RTK Signal Initialization: < 7 sec

Initialization Reliability: > 99%

Update Rate: 20Hz

COMMUNICATION

Bluetooth: BT 5.0, BLE

WiFi: 802.11.a/b/g/n/ac

4G Support Band: Global GSM /WCDMA/LTE

SIM Card: Nano

5-pin Port: Connect to external radio & Power NMEA Data Output

USB-C Port: Charge & Data Transmission

NMEA Output: GGA, ZDA, GSA, GSV, GST, VTG, RMC, GLL, Binary

Correction Data: CMR, CMR+, RTCM 3.2, RTCM3

GNSS PERFORMANCE

RTK:

- H: 6 mm + 0.5 ppm RMS
- V: 10 mm + 1 ppm RMS

SBAS:

- H: 0.6 m RMS
- V: 0.8 m RMS

INTERNAL RADIO

Type: RX Only

Frequency Range: 410 ~ 470 MHz

Channel Spacing: 12.5 KHz / 25 KHz

Protocol: TrimTalk 450s, PCC-GMSK, PCC-4FSK,

Satel, Satel_ADL, HITARGET, TrimTalk, HZSZ,

South, TrimMark III, GEOTALK, GEOMARK, PCCFST,

PCCFST_ADL

POWER SUPPLY

Battery: Rechargeable & Built-in

Lithiumion battery, 7.2 V ~ 6800 mAh

Voltage: 9-28 V dc

Working Time:

• U200 - RTK: 10 Hours

• Tablet - RTK: 5 hours

Charging Time: 4 Hours

PHYSICAL

Dimensions: Ø152 mm x H92 mm

Weight: 915 g

Water/Dust Proof:

• U200: IP67

• Tablet: IP68

Shock: Survives a 2m Drop on Concrete Floor

Vibration: Vibration Resistant

Certificate: CE, FCC