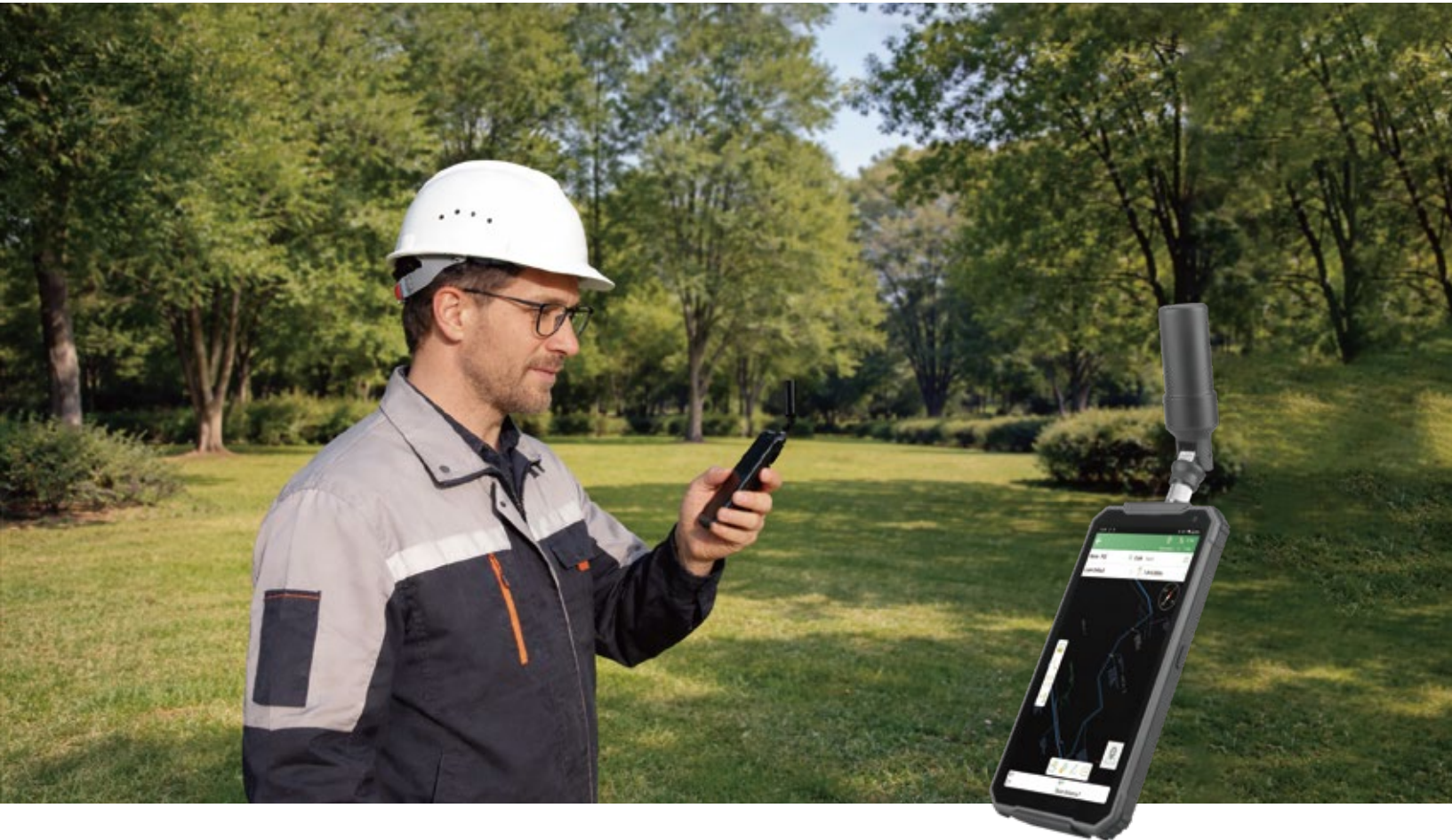


HT6

HANDHELD TERMINAL

Smart Precision in the Palm of Your Hand



ALL-IN-ONE HANDHELD DESIGN

The HT6 integrates an RTK GNSS engine, a GNSS helix antenna, a 6-inch touchscreen terminal, Android smart system, and industrial-grade hardware into a compact handheld device. Its lightweight and standalone design enables efficient field positioning, data collection, and intuitive on-screen control for professional applications.

CENTIMETER-LEVEL ACCURACY

Featuring a 1408-channel GNSS engine with full-constellation tracking, the HT6 delivers reliable centimeter-level RTK positioning for demanding surveying and GIS applications. Advanced anti-interference algorithms ensure stable and precise accuracy even in complex or partially obstructed environments.

SMART & SMOOTH EXPERIENCE

Powered by a Qualcomm octa-core processor and Android 10 OS, the HT6 delivers fast, responsive performance for professional workflows and mainstream surveying or GIS software. Dual Nano-SIM, Wi-Fi, Bluetooth, and NFC modules provide flexible connectivity and seamless data transmission in the field.

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SYSTEM

| | |
|-----------|---------------------------------|
| CPU | Qualcomm Octa-core CPU, 1.8 GHz |
| OS | Android 10.0 GMS |
| ROM | 64 GB |
| RAM | 4 GB |
| Extension | Support TF Card |

SATELLITES TRACKING

Standard Configuration

| | |
|--------------------------------|----------------------------------|
| Channels | 1408 |
| GPS | L1C/A, L2C, L2P, L5 |
| BDS | B1I, B2I, B3I, B1C, B2a, B2b* |
| GLONASS | G1, G2 |
| Galileo | E1, E5a, E5b, E6* |
| QZSS | L1, L2, L5 |
| SBAS | WAAS, EGNOS, SDCM, BDSBAS, GAGAN |
| Cold start | <30s |
| RTK Initialization Time | <5s(typical) |
| RTK initialization reliability | >99.9% |
| Re-acquisition | <1s |

* Signals marked with * are reserved for future upgrade.

Enhanced Configuration (Optional)

| | |
|--------------------------------|----------------------------------|
| Channels | 1408 |
| BDS | B1I, B2I, B3I, B1C, B2a, B2b |
| GPS | L1C/A, L1C, L2C, L2P(Y), L5 |
| GLONASS | G1, G2, G3 |
| Galileo | E1, E5a, E5b, E6 |
| QZSS | L1C/A, L1C, L2C, L5 |
| NavIC | L5 |
| SBAS | WAAS, EGNOS, SDCM, BDSBAS, GAGAN |
| L-Band | Support |
| RTK Initialization Time | <5s(typical) |
| RTK initialization reliability | >99.9% |
| Re-acquisition | <1s |

CAMERAS

| | |
|--------------|---------------------------------------|
| Front Camera | 5 megapixels |
| Rear Camera | 13 megapixels with auto-focus & flash |

PHYSICAL

| | |
|-------------|--|
| Size | 81.6mm × 162mm × 13mm |
| LCD Display | 6" IPS LCD, 500nits sunlight readable, capacitive multi-touch |
| Resolution | 1440×720 pixel |
| Weight | 265 g |
| Keypad | Power, Volume up/down, F1, F2 |
| Sensors | Gravity sensor, Gyroscope, Accelerometer, Ambient light sensor |

ACCURACY

| | |
|--------------------------------|--|
| Standalone | 1.5m Horizontally 2.5m Vertically |
| DGPS | 0.4m Horizontally 0.8m Vertically |
| PPP (Enhanced version only) | 5cm Horizontally 10cm Vertically |
| Static post-processing | 2.5mm+0.5ppm Horizontally 5mm+0.5ppm Vertically |
| RTK | 8mm+1ppm Horizontally 15mm+1ppm Vertically |
| SBAS | < 1.0 m 3D RMS |
| Time Accuracy | 20ns |

COMMUNICATION

| | |
|---------------|---|
| WIFI | 2.4 GHz + 5 GHz, 802.11 b/g/n/ac |
| Network | GSM: 850 / 900 / 1800 / 1900 EVDO: BC0 WCDMA: B1 / B2 / B5 / B8 TD-SCDMA: B34 / B39 TDD-LTE: B38 / B39 / B40 / B41 FDD-LTE: B1 / B2 / B3 / B4 / B5 / B7 / B8 / B17 / B20 / B28 |
| Bluetooth | BT4.2 |
| SIM Card | Nano-SIM slot ×2 |
| USB | USB Type-C |
| I/O Interface | 12×back pins Pogo Pin UART/USB/-CAN/DCIN/GPIO/USB2.0 |
| NFC | 13.56 MHz |
| Audio | Rear-facing speaker, Microphone |

ELECTRICAL

| | |
|--------------|---|
| Battery | Standard 3.85V/5000mAh Lithium-ion battery, 19.25Wh |
| Input | 5V/2A DC |
| Battery Life | 12 hours of operation and 168 hours of standby |

ENVIRONMENTAL

| | |
|------------------------|------------------------------------|
| Working Temperature | -20 °C to 60 °C (-4 °F to 140 °F) |
| Storage Temperature | -30 °C to 70 °C (-22 °F to 158 °F) |
| Waterproof & Dustproof | IP67 |
| Drop Test | 26 drops from 1.2 m (4 ft.) |
| Vibration | Complies with MIL-STD-810G |
| Humidity | 95% non-condensing |

All specifications are subject to change without notice.

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