HCE300

KEY FEATURES

- **Professional GNSS Data Controller**

- **Alphanumerical keypad with backlight**

- **Android 4.4 operating system**

- **4.3" sunlight readable screen**

- **Rugged IP67 rating for tough outdoor conditions**

- **Versatile with multiple sensors**

- **8.0 megapixel camera**

HCE300 GNSS Data Controller
Rugged Alphanumerical Data Controller

HCE300 is a professional GNSS data controller with alphanumerical keypad which will benefit more surveyors with great ease during the field work. Meanwhile with 4.3" sunlight readable screen and faster processor, the HCE300 ensures you have higher efficiency and improved productivity.

As data controller, HCE300 is powered with rugged IP67 rating and 1.5 meter drop-survival for the most demanding environment. In addition, the Li-ion battery with 6500 mAh capacity can keep you working for long time work without worrying about the power supply.

Versatile
Adopting a lot of difference sensors, like barometer, NFC, Noise Cancellation, gyro, e-compass, G-sensor, etc. HCE300 features not only professional data controller, but also versatile and powerful handheld terminal. The integrated sensitive GPS engine can also offer you 2.5 meter accuracy autonomous positioning.

Connectivity
With Dual SIM and Dual Standby feature as well as multiple mode cellular modem, HCE300 has the great compatibility within different countries around the world to connect your GNSS receiver to the network. Integrated powerful Wi-Fi and Bluetooth, 50-meter for Wi-Fi and 20-meter for Bluetooth, enable HCE300 to have long range connection with external devices such as range finder or RTK receiver.

Easy software integration
Compatible with filed data collection software running on Android OS, HCE300 is the solution for a future-proof GNSS data controller leaving you more options at present or in the future.

Reliable - Powerful - Competitive

Technical Specifications

System

- Operating System: Android 4.4
- CPU: MT6589WTK Quad core 1.5G
- RAM: 1GB
- Flash Memory: 16GB
- Memory extend: TF Card, up to 32G

Keypad

- Keypad: 27 Alphanumerical Keypad
- Keypad backlight: White

Display

- Size: 4.3" sunlight readable screen
- Touchscreen: capacitive touch screen (WVGA 480*800 dpi)

Camera

- Camera: 8.0 megapixel camera with autofocus
- Flash light:

Physical

- Dust proof and waterproof: IP67
- Shock: survives a 1.5 meter
        drop on to concrete
- Dimension: 212mm*86mm*33mm (8.3*3.8*1.3 in)
- Weight: 520g (with battery)
- Operating temperature: -20 °C to +60 °C (-4°F to 140 °F)
- Storage temperature: -30 °C to +70 °C (-22°F to 158 °F)

Communications

- WiFi: 802.11 a/b/g/n/ac
- Cellular Modem: Dual SIM Card Slot
  SIM1&SIM 2: WCDMA 900/1900/2100,
                GSM 850/900/1800/1900
(Only support one SIM card login 3G mode at same time)

- Bluetooth: Bluetooth V4.0
- Audio Jack
- USB: Micro USB, OTG
- USIM

Electrical

- Li-ion battery: 6500mAh
- Battery life: 10h
- Charging time: 4h (typical)

GPS

- Internal GPS, SBAS supported
- Accuracy: Standalone 2—5m
                With SBAS 1—3m
- Channel: 20
- Time to first fix: 30 s
- A-GPS

Sensors

- G-sensor
- Barometer
- Light sensor
- NFC
- Noise Cancellation
- FM
- E-compass
- Gyroscope

[1] Accuracy and reliability specifications may be affected by multi path, satellite geometry and atmospheric conditions. Performances assume minimum of 5 satellites, follow up of recommended general GPS practices.

Specifications are subject to change without notice.