

# HCE300



## KEY FEATURES

- *Professional GPS/GIS Data Controller*
- *Alphanumeric 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 alphanumeric 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 1.2 meter drop-survival for the most demanding environment, in addition, the Li-ion battery with 6300 mAh battery capacity can keep you working for long time work without worries about the power supply.

### Versatile

Adopting with 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 WiFi and Bluetooth, 30-meter for WiFi and 20-meter for Bluetooth, enable HCE300 to have long range working range with external devices such as a laser range finder or RTK receiver.

### Easy software integration

Compatible with field 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.

# Technical Specifications

## System

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

## Keypad

- Keypad: 27 Alphanumeric Keypad
- Keypad backlight: White

## Display

- Size: 4.3" sunlight readable screen
- Touchscreen: capacitive touch screen

## Camera

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

## Physical

- Dust proof and waterproof: IP67
- Shock: survives a 1.2meter drop on to concrete
- Dimension: 207mm\*88mm\*29mm
- Weight: 520g (with battery)
- Operating temperature: -20 °C to +60 °C
- Storage temperature: -30 °C to +70 °C

## Communications

- WiFi: 802.11 b/g
- Cellular Modem: Dual SIM Dual Standby, SIM 1: WCDMA850/1900/2100, GSM 850/900/1800/1900, SIM 2: GSM850/900/1800/1900
- Bluetooth: Bluetooth V4.0

Audio Jack

- USB: Micro USB,OTG
- USIM: Support

## Electrical

- Li-ion battery: 6300mAh
- Battery life: 10h
- Charging time: 4.5h

## GPS

Internal GPS, SBAS supported

- Accuracy: Stand alone 2—5m (CEP)  
Stand alone 2—5m (CEP)
- Channel: 20
- Time to first fix: 30 s
- A-GPS: Support

## Sensors

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

(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.

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