

Specifications

System

Operating System	Android 7.1
CPU	Qualcomm® MSM8940 Octa Core 1.4 GHz
RAM	2 GB
Flash Memory	16 GB

Physical

Size (L x W x H)	221.5 mm x 87 mm x 19.7 mm (8.7 in x 3.4 in x 0.8 in)
Weight	372 g (13.1 oz) with battery
Environment	Operating: -30°C to +60 °C (-22°F to +140°F) Storage: -30°C to +70°C (-22°F to +158°F)
Dust and Water Proof	IP67
Shock and Vibration	1.2 m (3.9 ft) fall onto concrete
Display	5.5" AMOLED display Capacitive multi-touch screen (HD 1280 x 720)
Keypad	Alphanumeric keypad
Camera	8-megapixel camera with auto-focus Flashlight

Certifications and Calibrations

CE Mark

Communications

Network Modem	Dual SIM & Dual standby LTE: Band1/Band2/Band3/Band4/Band5/ Band7/Band8/Band17/Band20/Band28 WCDMA: B1/B2/B5/B8 CDMA/CDMA-EVDO: B0 GSM: 850/900/1800/1900
Wi-Fi	802.11 b/g/n, access point mode
Bluetooth®	V4.1
USB	Type C, OTG supported

Electrical

Li-ion Battery Capacity	8000 mAh
Operating Time⁽¹⁾	16 h
Charging Time	4 h (typical)

Sensors

Internal GPS
G-sensor
Light sensor
NFC
E-compass
Gyroscope

*Specifications are subject to change without notice.

(1) Operating time varies based on temperature.



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CHCNAV

HCE320

Survey & Engineering



Make your work more efficient

Hardware Description

HCE320

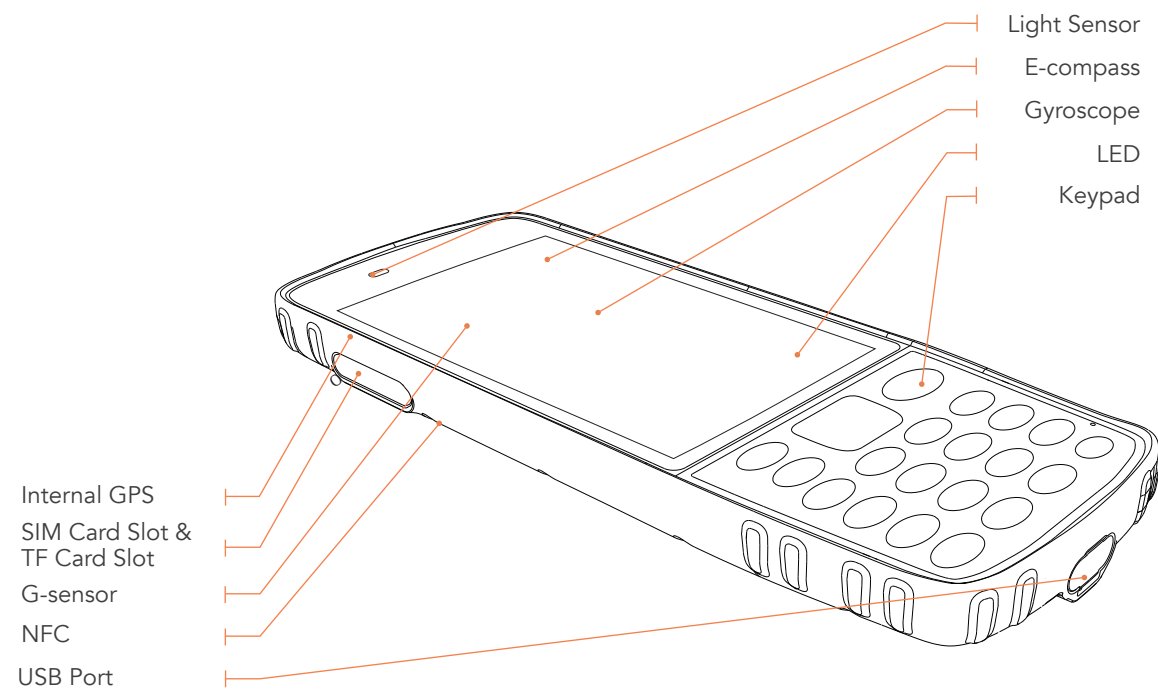
GNSS
Handheld
Controller

The HCE320 is a professional Android field surveying controller with alphanumeric keypad which gives much flexibility to surveyors during fieldwork.

As a data controller, HCE320 is powered with the rugged IP67 rating and 1.2 m fall-survival for the most demanding environments. Besides, the Li-ion battery with 8000 mAh capacity allows users to work for a long time without worrying about the power supply.

Adopting variable sensors, like G-sensor, E-compass, gyroscope, etc., HCE320 also comes with Bluetooth, Wi-Fi, dual SIM and dual standby features.

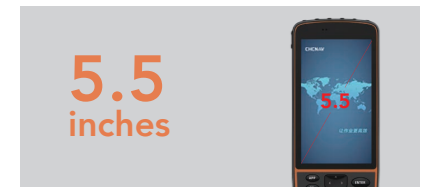
Compatible with field data collection APPs running on Android operating system, HCE320 is the solution for a futureproof GNSS data controller, offering you more options at present or in the future.



Core Technology

Bigger AMOLED Display

Allows for viewing the bigger world in 5.5" AMOLED display, and makes users completely immerse themselves in the data and easily master all projects.



Smart Android 7.1 Operating System

Facilitates easier operation as in your mobile phone, and highly accelerates the operating speed with Qualcomm® MSM8940 Octa Core 1.4 GHz CPU



Longer Endurance

Allows for 16 h continuous operation with 8000 mAh internal battery, and eliminates the worry about a sudden power-off during one day work.



QC 3.0 Fast Charge

Provides an excellent charging solution which allows users to fully charge device in 4 hours for saving more time on the fieldwork.

Rugged Body Design

Enables the survivability in either dust/water environment and achieves the condition of 1.2 m fall onto concrete with the proof of IP67 and MIL-STD-810G (Method 514.7) certification.



Applications

