

HCE320

Survey & Engineering



Make your work more efficient

Hardware Description

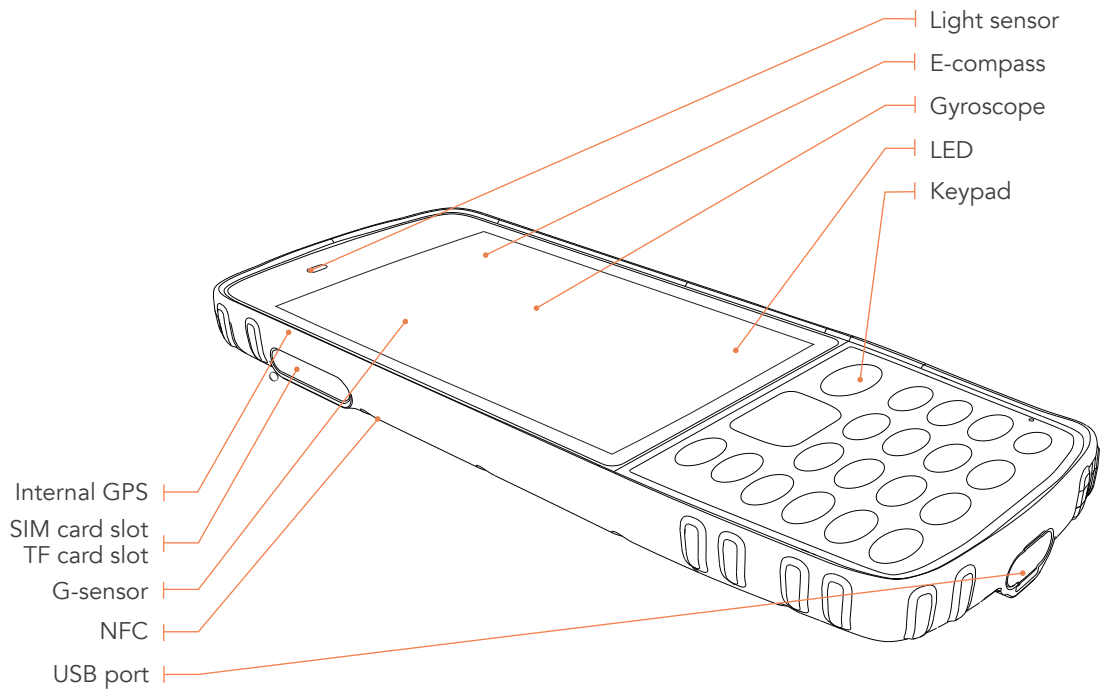
HCE320 GNSS Handheld Controller

The HCE320 is a professional Android field data collection controller with alphanumeric keypad which gives extended flexibility to surveyors during fieldwork.

With its IP67 dust and waterproof rating and up to 1.2 m drop resistance, the HCE320 is optimised to withstand the most harsh environment . In addition, the 8 000 mAh Li-ion battery allows users to work for full day without interruption.

Integrating numerous sensors, including G-sensor, E-compass and gyroscope, the HCE320 also offers extended connectivity with Bluetooth, Wi-Fi and dual SIM slots.

Compatible with field data collection Apps running on Android, such as the CHCNAV Landstar 7, the HCE320 is the perfect rugged professional controller choice for any surveying and constructions applications.



Core Technology

Large AMOLED Display

The 5.5" AMOLED screen provides a vivid display to visualize project data at a glance.



Android 7.1 Operating System

As easy to operate as a smartphone, the HCE320 embeds the powerful Qualcomm® MSM8940 Octa Core 1.4 GHz CPU.



Longer Endurance

Up to 16 hours of continuous operation in the field with its 8000 mAh internal battery eliminates the need to charge the unit during the field work.

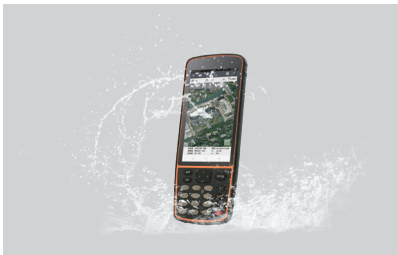


Quick Charge 3.0

Provides most efficient charging technology to fully charge device in no more than 4 hours.

Rugged Design

Dust and waterproof design for the everyday construction sites environment - The HCE320 withstand up to 1.2 m drop onto concrete, gets IP67 rating and MIL-STD-810G (Method 514.7) certification.



Applications



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/ Band38/Band39/Band40/Band41 WCDMA: B1/B2/B5/B8 CDMA/CDMA-EVDO: B0 GSM: 850/900/1800/1900
Wi-Fi	802.11 ac/b/g/n, access point mode 2412 Mhz - 2472 Mhz, 5150 Mhz - 5850 Mhz
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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