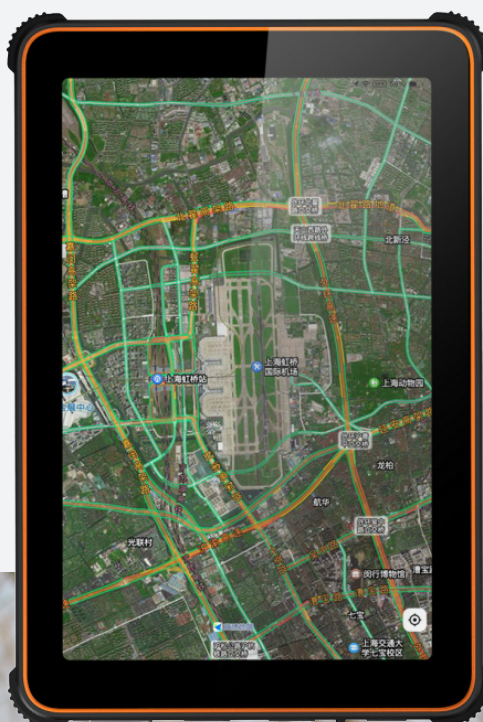


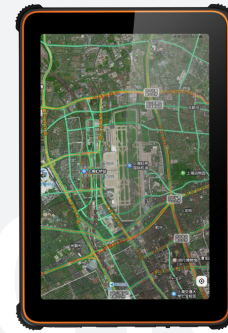
TC100

Rugged Sunlight-Readable Tablet



► Highlights

The CHCNAV TC100 is a next-generation rugged survey tablet built for demanding fieldwork in surveying, mapping, and construction. Its SunDefy display stays readable in direct sunlight, while the high-performance platform ensures smooth handling of large CAD files and field data. Reliable, durable, and easy to use, the TC100 helps survey teams work faster, stay connected, and maintain productivity throughout the day.

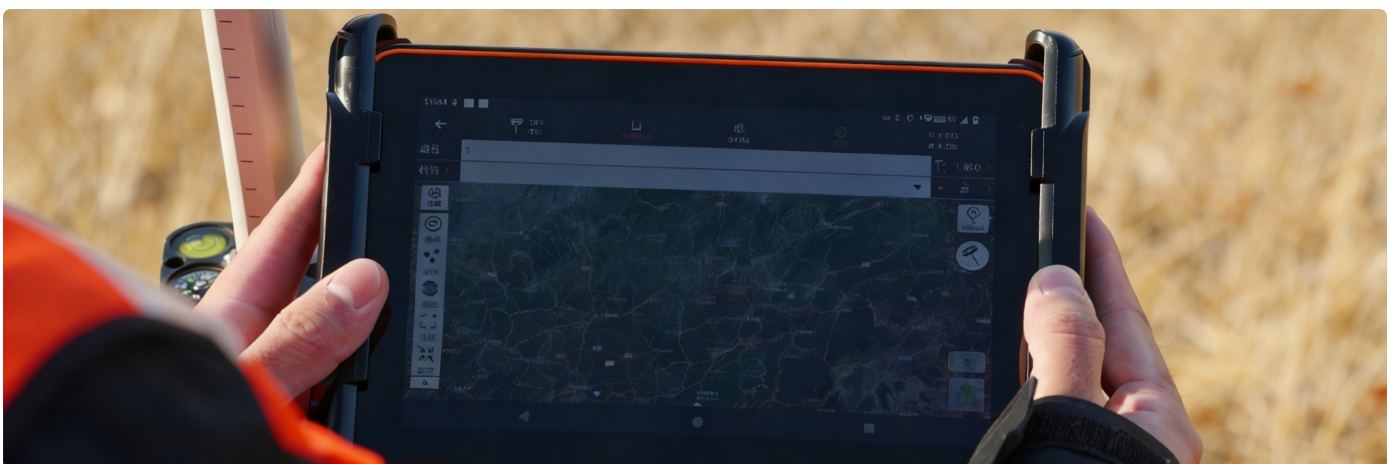


► SunDefy Display Technology: Designed for Direct Sunlight



The TC100 is built for outdoor surveying. Its SunDefy display stays readable in direct sunlight, making maps, stakeout data, and CAD drawings easier to view in the field. This reduces screen glare and helps surveyors work more efficiently without constantly shielding the display by hand.

► Next-Gen Platform: Smooth CAD Workflows



The TC100 is built to support demanding CAD-based fieldwork. With a high-performance processing platform and support for drawings up to 200 MB, it enables faster file loading, smoother panning and zooming, and more responsive layer review for surveying, staking, and construction tasks.

► Key feature



SunDefy Display

High visibility in direct sunlight for uninterrupted fieldwork.



Fast CAD Power

2.2 GHz octa-core processor for smooth field performance.



IP67 Rugged

IP67 protection and 1.5 m drop resistance for harsh job sites.



All-Day Power

10,000 mAh battery supports a full day of fieldwork.

► Rugged Protection: Built for Harsh Sites



Designed for demanding field environments, the TC100 combines an industrial-grade structure with IP67 dust and water protection and 1.5 m drop resistance. It delivers the durability needed for reliable surveying and construction work in rain, dust, mud, and challenging site conditions.

► High-Capacity Battery: Built for Endurance



The TC100 is designed for full-day productivity in the field. Its 10,000 mAh battery and automatic backlight management help extend operating time, supporting more than 8 hours of surveying, stakeout, and construction workflows without interrupting the working day.

► Use Cases



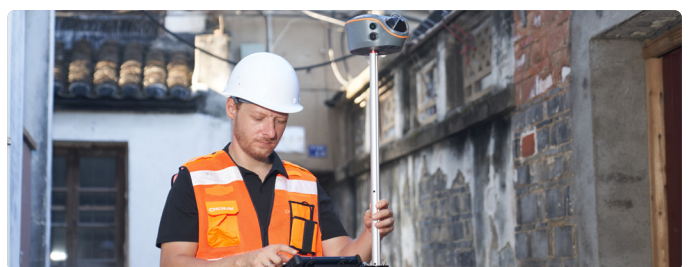
Topographic Survey



Construction Survey



Mining Survey



Utility Mapping

SPECIFICATIONS

► System

Operating System	Android 15.0 GMS certified
CPU	Advanced octa-core CPU 2.2 GHz
RAM	6 GB
ROM	32 GB
Extension	Micro SD Card, up to 1 TB

► GNSS Accuracies⁽¹⁾

Channel	45
Constellation	GPS L1C/A, GLO L1, BDS B1, GLE E1
Autonomous	2~5 m HRMS

► Display

Size	8.0" touch screen
Resolution	1920 x 1200
Screen technology	SunDefy screen Ultra-clear Outdoors Readability
Brightness	360 cd/m ²
Touch screen	Capacitive multi-touch, 10 points

► Cameras

Rear	16 MP
Flash light	Integrated

► Battery

Li-ion battery	10,000 mAh
Voltage	3.8 V
Battery life	8 h ⁽²⁾
Charging time	4.5 h Fast Charging: QC 3.0

► Physical

Dust and water proof	IP67
Shock	1.5 m fall onto concrete
Humidity	5% - 95% RH (without condensation)
Size (L x W x H)	213.8 mm x 143.2 mm x 17.3 mm (8.5 in x 5.1 in x 0.6 in)
Weight	730 g (25.7 oz) with battery
Environment	Operating: -20°C to +55°C (-4°F to +131°F) Storage: -40°C to +65°C (-40°F to +149°F)

► Communications

Wi-Fi	IEEE802.11 a/b/g/n/ac/d/e/h/i/k/v/w
Bluetooth®	Bluetooth™ 5.2
USB	Type C, OTG
Network 4G modem (Built in 4G modem)	GSM: 850/900/1800/1900 WCDMA: B1/B2/B4/B5/B8 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/ B17/B18/B19/B20/B25/B26/B28AB/B66 LTE-TDD: B38/B40/B41
SIM card type	Nano SIM card

► Internal sensors

G-Sensor; Proximity Sensor; Light Sensor; E-Compass; Gyroscope

► Accessories

-Screen protector
-Stylus
-USB-C cable
-Charger

* All specifications are subject to change without notice.

* Android™, Google Play and other marks are trademarks of Google LLC.

* Bluetooth® is the trademark owned by Bluetooth SIG, Inc.

(1) Accuracy and reliability are determined under clear unobstructed conditions, multipath, satellite geometry and atmospheric conditions. Performances assume minimum of 5 satellites, follow up of recommended general GPS practices.

(2) 25°C continuous data collection, 100% brightness.

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