

CHCNAV

LT700H

Rugged RTK Tablet



Make your work more efficient

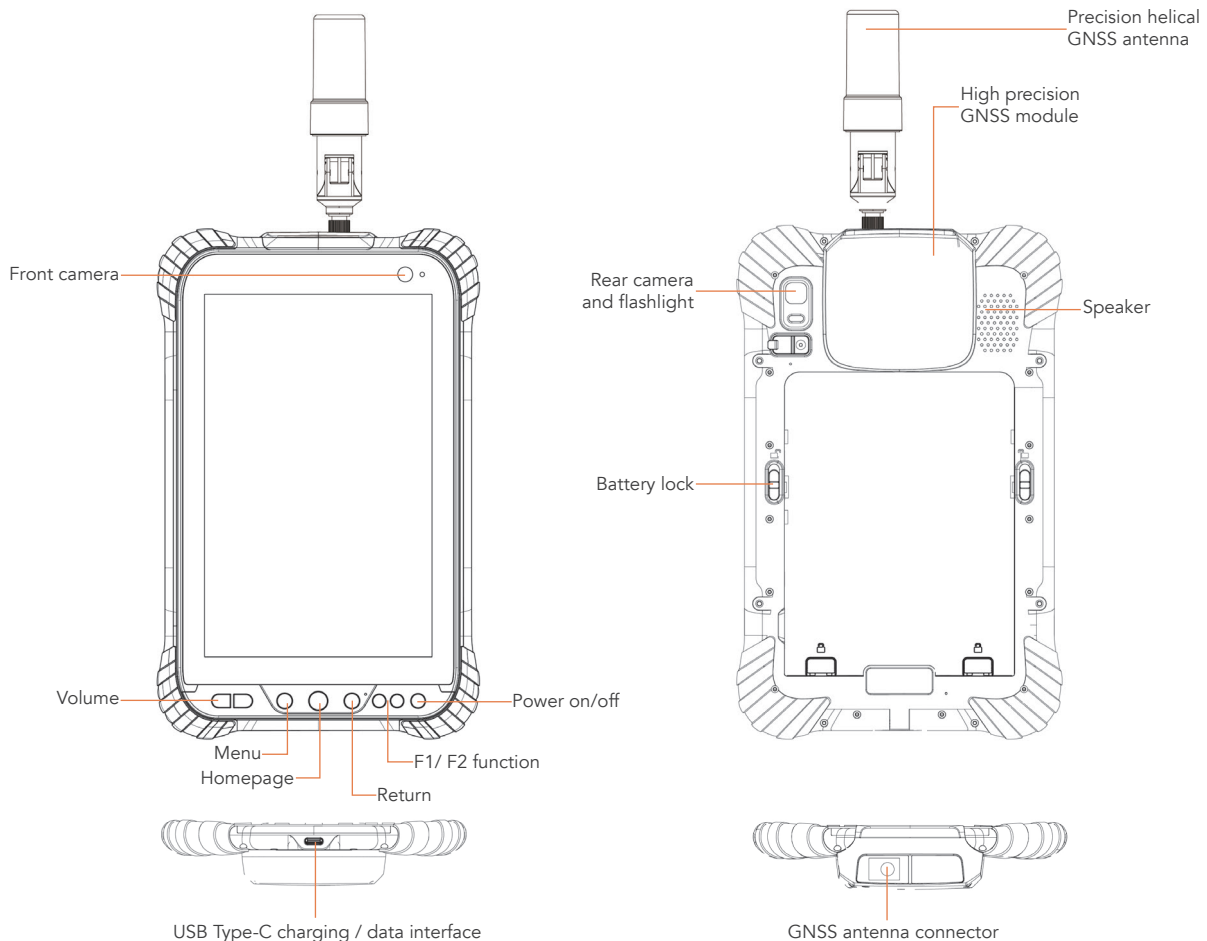
Hardware Description

LT700H Rugged Android RTK Tablet

The LT700H GNSS RTK tablet is the ideal companion designed to increase efficiency and productivity of mobile field work force in different industries and applications requiring centimeter to decimeter accuracy positioning. Rugged and lightweight, the LT700H is a versatile Android-based tablet for precision GIS data collection, forensic mapping, construction layout, environmental surveys...

Connecting the LT700H to RTK network correction services (NTRIP) produces survey-grade positioning solution within seconds through its built-in dual frequency full constellation GNSS module. Besides its full compatibility with CHCNAV LandStar 7 Survey Software, the LT700H enables accurate positioning to any existing Android survey, mapping and GIS software.

Featuring an 8-inch sunlight-viewable screen, the LT700H perfectly displays any GIS data tables, complex vector and raster maps or high-resolution pictures. Unlike consumer-grade tablets, the LT700H industrial IP67 design withstands all-day use in harsh environments and conditions. Protected from dust, rain, extreme temperatures as well as accidental drops from 1.5 m, the LT700H always keeps your data secure.



Core Technology



GNSS and Connectivity

The integrated GNSS module (GPS+GLONASS+GALILEO+BEIDOU) provides centimeter positioning performances. The dual-SIM 4G modems ensures reliable connection to RTK network corrections services and data exchanges with mobile teams.



Latest Android OS

Driven by Android 8.1, the LT700H runs seamlessly the most common professional GIS software applications.



Durability

Rugged design, soft corner bumpers and long battery life provide the LT700H with the capability to perform uninterrupted for a complete working day.



High Performances

The octa-core 2.2 GHz CPU supports running large maps and datasets without any lag or slowdown making your work even more productive.



Brilliant Display

Vivid and sharp 8-inch, 450 cd/m2 sunlight readable touchscreen display for enhanced maps and data visualization.



Rugged Mobility

Thin and lightweight, the handy and versatile LT700H rugged tablet is the perfect companion for mobile field workers.



Specifications

System	
Operating system	Android™ 8.1 GMS certified
CPU	Octa-core 2.2 GHz
RAM	4 GB
ROM	64 GB
Extension	Micro SD card, up to 128 GB
GNSS Accuracies ⁽¹⁾	
Channel	184
Constellation	GPS L1C/A L2C, GLO L1OF L2OF, GAL E1B/C E5b, BDS B1I B2I,
RTK	5 cm HRMS
Autonomous	< 1 m HRMS
Display	
Size	8" touch screen
Resolution	1920 x1200
Brightness	450 cd/m ²
Touch Screen	Capacitive multi-touch, 10 points
Screen technology	IPS display panel Corning® Gorilla® Glass 3
Camera	
Front	5 MP
Rear	16 MP
Flash light	Integrated
Physical	
Dust and Water Proof	IP67
Shock	1.5 m (4.0 ft) fall onto concrete
Humidity	5% - 95% RH (without condensation)
Size(L x W x H)	240 mm x 151 mm x 32 mm (9 in x 6 in x 1 in)
Weight	675 g (21.7 oz) with battery and bracket
Environment	Operating: -20°C to + 60°C (-4°F to +140°F) Storage: -30°C to + 70°C (-22°F to +158°F)

Communications	
Wi-Fi	802.11 a/b/g/n/ac
Bluetooth	Bluetooth™ 4.1
USB	Type C, OTG
Network 4G modem	GSM: 850/900/1800/1900 WCDMA: B1/B2/B5/B8 FDD-LTE:Band1/Band2/Band3/Band4/Band5 Band7/Band8/Band17/Band20/Band28
Battery ⁽²⁾	
Li-ion battery	8000 mAh
Voltage	3.8 V
Battery Life	12 h
Charging Time	5.5 h
Internal sensors	
NFC; G-Sensor; Light Sensor; E-Compass; Gyroscope	

*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) Autonomous and RTK accuracy are based on full GNSS constellations (GPS, Glonass, Galileo and BDS) availability, under clear unobstructed environment, multipath-free, standard satellite geometry and atmospheric conditions. Performances assume follow up of recommended general GNSS practices.

(2) Battery life is dependent on factors such as environment temperature, brightness, CPU service conditions etc.



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Shanghai Huace Navigation Technology Ltd.

599 Gaojing Road, Building D
Shanghai, 201708, China

+86 21 54260273 WWW.CHCNAV.COM

