# CHCNAV

# LT700H RUGGED GNSS RTK TABLET

## MAPPING & GEOSPATIAL

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## RUGGED TABLET FOR PROFESSIONAL DATA COLLECTION

The LT700H RTK Android tablet is designed to increase efficiency and productivity of mobile field workforce in any applications requiring centimeter to decimeter positioning accuracy. Portable, rugged and versatile, the LT700H enables precision GIS data collection, forensic mapping, construction site layout, environmental surveys, landscaping and earthmoving job.

Featuring an 8-inch sunlight-viewable screen in direct sunshine and high-bright areas, the LT700H perfectly displays any GIS data tables, complex vector and raster maps or high-resolution pictures. Its industrial IP67 design withstands all-day use in harsh environments and conditions.

The LT700H enables further use of GNSS technology, from single operator to companies with large field crews.

#### BRING ACCURACY AT YOUR FINGERTIPS

### Benefit from full-GNSS RTK networks corrections.

Powered by 184-channel high performance GPS, Glonass, Galileo and BeiDou module and superior tracking GNSS helical antenna, the LT700H provides best-in-class centimeter to decimeter position in demanding environments.

#### **HIGH PERFORMANCES**

**Embedded octa-core 2.2 GHz CPU and dual SIM.** Running large maps and datasets without any lag or slowdown makes your work even more productive. The dual-SIM 4G modem ensures fast and reliable connection with mobile teams.

#### HIGH PORTABILITY AND VERSATILE

#### GMS certified for extended compatibility.

Bearing the GMS (Google Mobile Service) certification, the LT700H runs seamlessly the most common professional data collection applications available from Google Play Store. Its integrated 4G modem ensures seamless communication from field-to-office and robust connectivity to GNSS RTK networks corrections.

#### 8-INCH IPS DISPLAY FOR EXTRA COMFORT OF USE

#### Vibrant IPS sunlight-viewable touch screen.

The LT700H Corning Gorilla Glass 3 IPS display provides extended durability in all weather conditions. Its 10 points capacitive multi-touch screen enables data collection with a stylus and even gloves or wet hands to match every working conditions.

#### **KEEP YOUR DATA SECURE**

### Industrial IP67 design with 8 000mAh Li-ion battery.

The LT700H rugged design secures your data even in harsh environment and adverse weather conditions. Up to 12 hours operation time keep mobile workforce focusing on data collection without interruption.





## BRING ACCURACY AT YOUR FINGERTIPS

## **SPECIFICATIONS**

CPU Octa-core 2.2 GHz   RAM 4 GB   ROM 64 GB   Extension Micro SD card, up to 256 GB   GNSS Accuracies (*)   Channel 184   Constellation GPS L1C/A L2C, GLO L1, L2, BDS B1, B2   RTK 5 cm HRMS   Autonomous < 1 m HRMS   Display   Size 8" touch screen   Resolution 1920 x1200   Brightness glare resistant, excellent sunlight readable screen   Fouch 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   Oust and Water Proof IP67   Shock 1.2 m fall onto concrete   Humidity 5% - 95% RH (without condensation)   Size 240 mm x 151 mm x 32 mm (with GNSS module) (9 in x 6 in x 1 in)   Weight 675 g (21.7 oz) with battery and bracket		System	
RAM   4 GB     RAM   4 GB     ROM   64 GB     Extension   Micro SD card, up to 256 GB     GNSS Accuracies (*)     Channel   184     Constellation   B2     RTK   5 cm HRMS     Autonomous   < 1 m HRMS	Operating system	Android™ 8.1 GMS certified	
ROM64 GBROM64 GBExtensionMicro SD card, up to 256 GBGINSS Accuracies (1)Channel184ConstellationGPS L1C/A L2C, GLO L1, L2, BDS B1, B2RTK5 cm HRMSAutonomous< 1 m HRMSDisplaySize8" touch screenResolution1920 x1200Brightnessglare resistant, excellent sunlight readable screenCouch ScreenCapacitive multi-touch, 10 pointsScreen technologyIPS display panel Corning @ Gorilla @ Glass 3CameraFront5 MPRear16 MPFlash lightIntegratedDust and Water ProofIP67Shock1.2 m fall onto concreteHumidity5% - 95% RH (without condensation)Size240 mm x 151 mm x 32 mm (with GNSS module) (9 in x 6 in x 1 in)Weight675 g (21.7 oz) with battery and bracketCoperating: -20°C to + 60°C (-4°F to +140°F)	CPU	Octa-core 2.2 GHz	
ExtensionMicro SD card, up to 256 GBGNSS Accuracies (1)Channel184ConstellationGPS L1C/A L2C, GLO L1, L2, BDS B1, B2RTK5 cm HRMSAutonomous< 1 m HRMSDisplaySize8" touch screenResolution1920 x1200450 cd/m² glare resistant, excellent sunlight readable screenFouch ScreenCapacitive multi-touch, 10 pointsScreen technologyIPS display panel Corning ® Gorilla ® Glass 3CameraFront5 MPRear16 MPFlash lightIntegratedDust and Water ProofIP67Shock1.2 m fall onto concreteHumidity5% - 95% RH (without condensation)Size L x W x H)240 mm x 151 mm x 32 mm (with GNSS module) (9 in x 6 in x 1 in)Weight675 g (21.7 oz) with battery and bracketCoperating: -20°C to + 60°C (-4°F to +140°F)	RAM	4 GB	
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Channel184ConstellationGPS L1C/A L2C, GLO L1, L2, BDS B1, B2RTK5 cm HRMSAutonomous< 1 m HRMS	Extension	Micro SD card, up to 256 GB	
ConstellationGPS L1C/A L2C, GLO L1, L2, BDS B1, B2ConstellationGPS L1C/A L2C, GLO L1, L2, BDS B1, B2RTK5 cm HRMSAutonomous< 1 m HRMS	GNSS Accuracies <sup>(1)</sup>		
ConstellationB2RTK5 cm HRMSAutonomous< 1 m HRMS	Channel	184	
Autonomous< 1 m HRMSDisplaySize8" touch screenResolution1920 x1200Brightness450 cd/m²glare resistant, excellent sunlight readable screenFouch ScreenCapacitive multi-touch, 10 pointsScreen technologyIPS display panel Corning ® Gorilla ® Glass 3CameraFront5 MPRear16 MPFlash lightIntegratedPhysicalDust and Water ProofIP67Shock1.2 m fall onto concreteHumidity5% - 95% RH (without condensation)Size L x W x H)(9 in x 6 in x 1 in)Weight675 g (21.7 oz) with battery and bracketEnvironmentOperating: -20°C to + 60°C (-4°F to +140°F)	Constellation		
DisplaySize8" touch screenResolution1920 x1200Brightnessd50 cd/m² glare resistant, excellent sunlight readable screenFouch ScreenCapacitive multi-touch, 10 pointsScreen technologyIPS display panel Coming ® Gorilla ® Glass 3CameraFront5 MPRear16 MPFlash lightIntegratedPhysicalDust and Water ProofIP67Shock1.2 m fall onto concrete+lumidity5% - 95% RH (without condensation)Size L x W x H)240 mm x 151 mm x 32 mm (with GNSS module) (9 in x 6 in x 1 in)Neight675 g (21.7 oz) with battery and bracketEnvironmentOperating: -20°C to + 60°C (-4°F to +140°F)	RTK	5 cm HRMS	
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Resolution1920 x1200Brightness $450 \text{ cd/m}^2$ glare resistant, excellent sunlight readable screenFouch ScreenCapacitive multi-touch, 10 pointsBrightnessIPS display panel Coming ® Gorilla ® Glass 3Screen technologyIPS display panel Coming ® Gorilla ® Glass 3Front5 MPRear16 MPFlash lightIntegratedDust and Water ProofIP67Shock1.2 m fall onto concreteHumidity5% - 95% RH (without condensation)Size L x W x H)240 mm x 151 mm x 32 mm (with GNSS module) (9 in x 6 in x 1 in)Neight675 g (21.7 oz) with battery and bracketEnvironmentOperating: -20°C to + 60°C (-4°F to +140°F)	Display		
AssociationAssociationAssociation $450 \text{ cd/m}^2$ glare resistant, excellent sunlight readable screenFouch ScreenCapacitive multi-touch, 10 pointsScreen technologyIPS display panel Corning ® Gorilla ® Glass 3CameraFront5 MPRear16 MPFlash lightIntegratedDust and Water ProofIP67Shock1.2 m fall onto concreteHumidity5% - 95% RH (without condensation)Size L x W x H)240 mm x 151 mm x 32 mm (with GNSS module) (9 in x 6 in x 1 in)Neight675 g (21.7 oz) with battery and bracketEnvironmentOperating: -20°C to + 60°C (-4°F to +140°F)	Size	8" touch screen	
Brightness   glare resistant, excellent sunlight readable screen     Fouch Screen   Capacitive multi-touch, 10 points     Screen technology   IPS display panel Coming ® Gorilla ® Glass 3     Camera     Front   5 MP     Rear   16 MP     Flash light   Integrated     Physical     Dust and Water Proof   IP67     Shock   1.2 m fall onto concrete     Humidity   5% - 95% RH (without condensation)     Size L x W x H)   240 mm x 151 mm x 32 mm (with GNSS module) (9 in x 6 in x 1 in)     Neight   675 g (21.7 oz) with battery and bracket     Environment   Operating: -20°C to + 60°C (-4°F to +140°F)	Resolution	1920 x1200	
Fouch ScreenCapacitive multi-touch, 10 pointsScreen technologyIPS display panel Corning ® Gorilla ® Glass 3CameraFront5 MPRear16 MPFlash lightIntegratedPhysicalDust and Water ProofIP67Shock1.2 m fall onto concreteHumidity5% - 95% RH (without condensation)Size L x W x H)240 mm x 151 mm x 32 mm (with GNSS module) (9 in x 6 in x 1 in)Neight675 g (21.7 oz) with battery and bracketOperating: -20°C to + 60°C (-4°F to +140°F)	Brightness	glare resistant,	
Screen technology   Corning ® Gorilla ® Glass 3     Camera     Front   5 MP     Rear   16 MP     Flash light   Integrated     Physical     Dust and Water Proof   IP67     Shock   1.2 m fall onto concrete     Humidity   5% - 95% RH (without condensation)     Size   240 mm x 151 mm x 32 mm (with GNSS module) (9 in x 6 in x 1 in)     Neight   675 g (21.7 oz) with battery and bracket     Environment   Operating: -20°C to + 60°C (-4°F to +140°F)	Touch Screen	Capacitive multi-touch, 10 points	
Front5 MPRear16 MPFlash lightIntegratedPhysicalDust and Water ProofIP67Shock1.2 m fall onto concreteHumidity5% - 95% RH (without condensation)Size L x W x H)240 mm x 151 mm x 32 mm (with GNSS module) (9 in x 6 in x 1 in)Neight675 g (21.7 oz) with battery and bracketEnvironmentOperating: -20°C to + 60°C (-4°F to +140°F)	Screen technology		
Rear   16 MP     Flash light   Integrated     Physical     Dust and Water Proof   IP67     Shock   1.2 m fall onto concrete     Humidity   5% - 95% RH (without condensation)     Size   240 mm x 151 mm x 32 mm (with GNSS module) (9 in x 6 in x 1 in)     Neight   675 g (21.7 oz) with battery and bracket     Environment   Operating: -20°C to + 60°C (-4°F to +140°F)	Camera		
Flash light   Integrated     Physical     Dust and Water Proof   IP67     Shock   1.2 m fall onto concrete     Humidity   5% - 95% RH (without condensation)     Size   240 mm x 151 mm x 32 mm (with GNSS module) (9 in x 6 in x 1 in)     Neight   675 g (21.7 oz) with battery and bracket     Environment   Operating: -20°C to + 60°C (-4°F to +140°F)	Front	5 MP	
Physical     Dust and Water Proof   IP67     Shock   1.2 m fall onto concrete     Humidity   5% - 95% RH (without condensation)     Size   240 mm x 151 mm x 32 mm     L x W x H)   (with GNSS module)     (9 in x 6 in x 1 in)     Neight   675 g (21.7 oz) with battery and bracket     Environment   Operating: -20°C to + 60°C (-4°F to +140°F)	Rear	16 MP	
Dust and Water Proof   IP67     Shock   1.2 m fall onto concrete     Humidity   5% - 95% RH (without condensation)     Size   240 mm x 151 mm x 32 mm (with GNSS module) (9 in x 6 in x 1 in)     Neight   675 g (21.7 oz) with battery and bracket     Environment   Operating: -20°C to + 60°C (-4°F to +140°F)	Flash light	Integrated	
Shock   1.2 m fall onto concrete     Humidity   5% - 95% RH (without condensation)     Size   240 mm x 151 mm x 32 mm (with GNSS module) (9 in x 6 in x 1 in)     Neight   675 g (21.7 oz) with battery and bracket     Environment   Operating: -20°C to + 60°C (-4°F to +140°F)	Physical		
Humidity5% - 95% RH (without condensation)Size240 mm x 151 mm x 32 mm (with GNSS module) (9 in x 6 in x 1 in)Neight675 g (21.7 oz) with battery and bracketEnvironmentOperating: -20°C to + 60°C (-4°F to +140°F)	Dust and Water Proof	IP67	
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Size   (with GNSS module)     L x W x H)   (9 in x 6 in x 1 in)     Neight   675 g (21.7 oz) with battery and bracket     Environment   Operating: -20°C to + 60°C (-4°F to +140°F)	Humidity	5% - 95% RH (without condensation)	
Operating: -20°C to + 60°C (-4°F to +140°F)	Size (L x W x H)	(with GNSS module)	
	Weight	675 g (21.7 oz) with battery and bracket	
	Environment		

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 <sup>(2)</sup>		
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



\*All specifications are subject to change without notice. (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 andatmospheric 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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