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LT700H

RUGGED GNSS RTK TABLET

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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.

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CENTIMETER ACCURACY
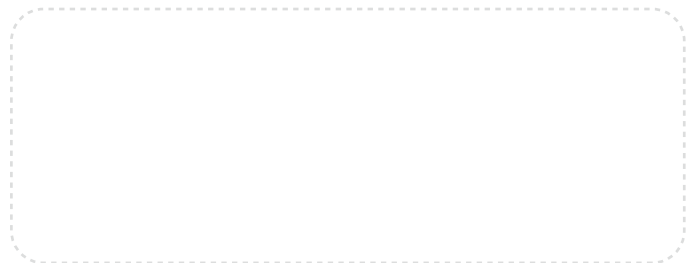**ANDROID TABLET**

BRING ACCURACY
AT YOUR FINGERTIPS

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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 256 GB

GNSS Accuracies [1]	
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	450 cd/m² glare resistant, excellent sunlight readable screen
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	1.2 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)
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	

*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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