



# ALGIZ RT10 RTK

## High precision field mobility

When you need GPS precision in the field, now there's a single tool that's rugged enough, mobile enough and sophisticated enough to fit the bill. The Algiz RT10 RTK rugged Android tablet integrates Real-Time Kinematic (RTK) GPS accuracy into a tablet and is designed specifically for GIS and mapping professionals who need highly precise location data.

### High precision GPS with RTK

The Algiz RT10 RTK gives you the flexibility to complete your high precision tasks with just the tablet and optional antenna attachment. An integrated u-blox multi-band GNSS high precision receiver uses RTK network corrections to deliver precise, continually available, satellite-corrected, position and time information for accurate positioning, using GPS, QZSS, GLONASS, Galileo and BeiDou, as well as SBAS. Whether you're mapping storm drains or managing high precision agriculture, the Algiz RT10 RTK has you covered.

### Powerful computing without lag

A high-end Qualcomm Snapdragon platform delivers plenty of RAM and generous storage, ensuring the Algiz RT10 RTK will never lag on data collection. You can move around quickly on GIS data tables, complex vector and raster maps, and run robust or heavy applications. Work extended hours with its long-life, user-replaceable battery and connectivity capabilities including standard WiFi, NFC and a future-proof 5G modem. You can communicate seamlessly from field to the back office and rely on steady connectivity to GNSS RTK network corrections.

### Built-in ruggedness for field use

This ultra-rugged Android tablet takes tough environments in stride. Drop it, shake it or use it in pouring rain — this IP67-rated powerhouse can take it. Extreme temperatures? No problem.

Accidental drops? Keep going. The Algiz RT10 RTK meets stringent MIL-STD-810G military test standards, so you can concentrate on your work instead of babying your tablet. You can also view complex graphics with its advanced high-resolution screen technology, super-hardened glass and sunlight viewability.

### Optimize and accessorize for field efficiency

The Algiz RT10 RTK comes with essential accessories to make your field work as efficient as possible. From custom carrying cases and pole mounts to user-replaceable batteries, the Algiz RT10 RTK offers a complete ecosystem for mobile field professionals.

### Scale your deployment with Android Enterprise

Take sharp images of markers or completed work with the built-in camera and store all your captured data securely with the latest Android OS security features and biometric scanning, using the built-in fingerprint reader. The Algiz RT10 RTK comes equipped with Android 11, and it's Android Enterprise Recommended (AER). Handheld's proprietary MaxGo Android software suite means whether your deployment has one unit or two hundred, you can easily coordinate system settings across your units and manage them remotely.

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# ALGIZ RT10 RTK

Version 1.0

## Dimensions

274 mm x 185 mm x 17 mm (10.8" x 7.3" x 0.67")

## Weight

980 g (2.2 lbs)

## Processor

Qualcomm® Snapdragon 480 SM4350,  
8 cores 2.0 GHz

## Graphics

Adreno 619

## RAM and Storage

6 GB / 128 GB

## Operating System

Android 11 (GMS)  
Android Enterprise Recommended

## Display

10" capacitive multi-touch  
1920x1200 pixel  
Sunlight readable, 600 nits  
Glove/rain mode

## Buttons

Power, volume up/down, F1, F2, F3

## Battery

11700 mAh (44.46 Wh) User-replaceable

## Cameras

### Rear

13 megapixel with autofocus and flash

### Front

5 megapixel

## Ports

Qualcomm® Quick Charge™ Type-C, OTG  
x2 Type A USB 3.0  
3.5mm headphone jack  
Docking connector  
Back connector for expandability  
Micro SDXC  
x2 Nano-SIM

## Communication

### Cellular (WWAN)

4G/LTE (1,2,3,4,5,7,8,12,20,28,34,38,39,40,41)  
5G (N41, N78, N79)

### Wireless LAN

2.4 GHz + 5 GHz  
802.11a/b/g/n/ac

### PAN

BT V5.1

### NFC

13.56 MHz  
ISO 14443A/B, ISO 15693

### Audio

Rear-facing speaker  
Microphone

## Positioning

Dedicated u-blox ZED-F9P High precision GNSS receiver GPS/QZSS, Galileo, GLONASS, BeiDou. SBAS

## GNSS Bands

B1I, B2I, E1B/C, E5b, L1C/A, L1OF, L2C, L2OF

## Channels

184 channels

## Concurrent GNSS

4

## RTK Convergence time

<10s

## RTK Update rate

20 Hz

## RTK Precision

0.01m + 1ppm CEP

## Features

Anti jamming, anti-spoofing

## Sensors

Fingerprint  
Gyroscope  
Accelerometer  
Ambient light

## Environment

### Operating

-20°C to 60°C (-4°F to 140°F)  
MIL-STD-810G, Method 501.5/502.5 Procedure II

### Storage

-40°C to 70°C (-40°F to 158°F)  
MIL-STD-810G, Method 501.5/502.5 Procedure I

### Drop / Shock

26 drops from 1.2 m (4 ft)  
MIL-STD-810G, Method 516.6 Procedure IV

### Vibration

MIL-STD-810G, Method 514.6 Procedure I

### Sand / Dust

IP67, IEC 60529

### Water

IP67, IEC 60529

### Humidity

0 ~ 95% (non-condensing)  
MIL-STD-810G, Method 507.5 Procedure II

### Altitude

4572 m (15,000 ft.)  
MIL-STD-810G, Method 500.5 Procedure I

## Options

For options and accessories, please see  
[www.handheldgroup.com/algiz-rt10-rtk](http://www.handheldgroup.com/algiz-rt10-rtk)

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