



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 visibility.

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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Version 1.1

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
x2 Type A USB 3.0 OTG
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

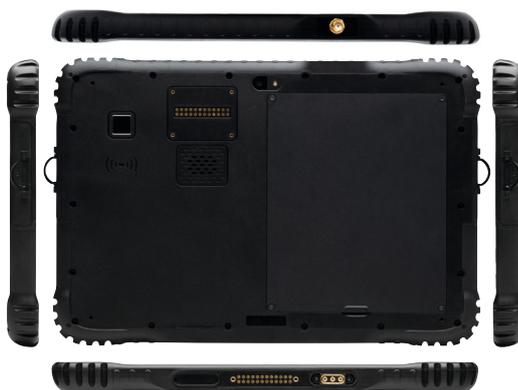
0 ~ 95% (non-condensing)
MIL-STD-810G, Method 507.5 Procedure II

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



handheld
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