

# DT307GS Rugged GNSS Tablet

**Lightweight & ruggedized GIS mobile tablet**



The DT307GS GNSS Tablet features the integration of a brilliant 7" capacitive touch screen and a quad-core, energy efficient processor within a slim, lightweight and durable package. With its high-accuracy GNSS module, Android operating system and optional camera module, this tablet is compatible with existing GIS software for surveying and mapping applications and brings together the advanced workflow for GIS data capture, accurate positioning, and data transmitting.

## Features

- Fanless, slim, lightweight and durable design
- Quad-core, 1.4GHz processor; high performance with low power consumption
- 7" LED-backlight screen with capacitive touch
- Delivers 1-2 meter accuracy
- Supports SBAS (WAAS, EGNOS, MSAS), RTCM2.3 DGPS
- Integrated GNSS module



## Applications

- Agriculture
- Mapping and GIS
- Surveying and Mining
- Natural Resources, Utilities and Government
- Engineering and Construction
- Transportation and Logistics
- Water Management

## Specifications

### System

<b>CPU</b>	Quad Core, 1.4GHz
<b>RAM</b>	1GB
<b>Storage</b>	8GB Flash
<b>Operating System</b>	Android 4.2
<b>Display</b>	7" LED-backlight screen with capacitive touch
<b>Display Resolution</b>	1024 x 600 (WSVGA)
<b>Control Switch and Buttons</b>	1 power button and 1 trigger button
<b>Indicator</b>	1 power-on LED indicator, 1 WLAN active LED
<b>Microphone</b>	Built-in microphone
<b>Speaker</b>	Built-in speaker
<b>Sensor</b>	Gyroscope Sensor, 3-axis accelerometer and e-Compass sensor

### Network Interface

<b>WLAN</b>	Wi-Fi 802.11a/b/g/n
<b>Bluetooth</b>	Bluetooth 4.0 HS

### I/O Ports

<b>USB Port</b>	1 USB 2.0, 1 mini USB (with OTG function)
<b>Headphone-out</b>	1 (2.5mm stereo/ microphone jack)
<b>DC-in</b>	1
<b>Micro SD Slot</b>	1 Micro-SD card slot

### Mechanical and Environmental

<b>AC/DC Adapter</b>	<b>Input:</b> 100 – 240V AC; <b>Output:</b> 5V DC, 3A
<b>Battery Pack</b>	Hot swappable battery, 3.7V, 4000mAh
<b>Stylus</b>	Capacitive touch stylus
<b>Enclosure</b>	ABS + PC plastics, TPR
<b>Protective Grip</b>	Rubber with handstrap
<b>Dimensions (H x W x D)</b>	5.24 x 8.75 x 0.7 in/ 133 x 210 x 18 mm
<b>Weight</b>	1.1 lbs/ 0.5 kg
<b>Regulatory</b>	FCC Class B, CE, RoHS compliant
<b>Temperature</b>	<b>Operation:</b> 0°C – 40°C; <b>Storage:</b> -20°C – 60°C
<b>Humidity</b>	0% – 90% non-condensing

\* Specifications subject to change without notice.

## GNSS Module

### U-Blox 7P GNSS module

<b>Receiver Type</b>	56-channel u-blox 7 engine • GPS L1C/A • SBAS L1C/A • QZSS L1C/A • GALILEO E1B/C Navigation update rate up to 10Hz
<b>Accuracy</b>	• Position: 2.5m CEP • SBAS: 2.0m CEP • SBAS+PPP: < 1m CEP
<b>Acquisition</b>	• Cold starts: 30 s • Aided starts: 5 s • Reacquisition: 1 s
<b>Sensitivity</b>	• Sensitivity Tracking: -161 dBm • Cold starts: -147 dBm • Warm starts: -148 dBm

## Major Options

### Camera

<b>Sensor</b>	1/4" CMOS, 5M sensor with LED flash
<b>Resolution</b>	Support up to 2592 x 1944 pixels still image
<b>Automatic Image Control</b>	Automatic white balance, gain control, and exposure control
<b>Focusing Type</b>	Auto focus
<b>Focus Distance</b>	10cm ~ ∞

### WWAN

3G module for HSPA+/WCDMA/EDGE/GPRS/GSM

## Accessories

The DT307GS has a suite of customized accessories to meet numerous deployment needs.

- Desktop Charging Cradle
- 4-Bay Gang Charger



- Power Adapter



- Battery Pack



- Stylus



- Plastic Tablet Handstrap

