

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

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

Network Interface

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

I/O Ports

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

Mechanical and Environmental

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

* Specifications subject to change without notice.

GNSS Module

U-Blox 7P GNSS module

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

Major Options

Camera

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

