

T38 Android high accuracy data collector



Features

The T38 is a compact, solid and cost-effective high accuracy data collector. It is equipped with build-in full frequency helix antenna and 4.5-inch TFT high-resolution display screen, powered by ublox F9P GNSS module. With Android 7.0 operating system, it supports LTE 4G all network communication, Bluetooth, Wi-Fi and other communication links. Applicable to Google play, HyperGIS can be pre-installed as option.

The T38 is designed for Power System, Agriculture, Geology, Forestry, Field Service, GIS/Survey and other extreme environment.

	T38	T38M	T38P	T38X
GNSS Module	MTK	ublox M8N	ublox ZED-F9P	MX 906B
Stand alone	5m	2.5m	1.5m	2m
RTD/SBAS	-	1.5m	1.5m	-
RTK	-	1.5m	2cm	5cm

System

CPU

OS

RAM

Storage

LCD Display

Display - Front

Resolution 960(H) x 540(W)

Brightness (cd/m²)

Touch Screen

Peripherals and Devices

Camera

Sensor

Audio & Vibrator

Wireless

WLAN

Bluetooth

WWAN

NFC

I/O Interface

USB

SD Slot

SIM card

Power Supply

Battery Capacity

Adaptor input

Adaptor Output

Quick Charge

Mechanical & Environmental

Sealing level rate

Drop Specification

Operating Temperature

Storage Temperature

Operating Humidity

Dimension

Gross Weight

MT6735 ARM Cortex-A53 1.3GHz

Android 7.0

2GB LP DDR3

16GB eMMC

4.5" TFT LCD

960(H) x 540(W)

400 cd/m²

5 points capacitive touch (PCT)

Front : 2MFF

Rear: 8M(AF) , Flash support

Magnetometer(M-Sensor/E-Compass)

Accelerometer(G-sensor)

Gyroscope

Ambient light sensor

Speaker(1.5W), Microphone(De-noising)

3.5mm stereo headphone / microphone combo jack

Vibrator

IEEE802.11 a/b/g/n

Bluetooth 4.1(BLE, HS compliant)

2G GSM/GPRS/EDGE(Band 850/900/1800/1900; 30dBm)

3G WCDMA (Band 1,2,5,8)

3G CDMA2000 (BC0)

4G FDD+TDD(Band 1,3,5,7,8,20,38,39,40,41)

4G DRX(Band 1,3,5,7,8,20,38,39,40,41)

MT6605EN

1 x micro USB 2.0 port High Speed / OTG Compatible(need plug)

1 x microSD card slot(support up to 32G)

1 x micro-SIM(3FF) socket supporting 2G/3G/LTE

1 x micro-SIM(3FF) socket supporting 2G/ only

4000mAh

AC 100~240V 50~60Hz

5V/2A (10W)

Fully charged in 2hrs

Rate IP65

1.2m

-10°C ~ 50°C

-20°C ~ 60°C

5% ~ 95% RH

147 x 71 x 22.3/mm(Without helix antenna)

285gwith battery(Without helix antenna)