⊕-survey

UT20

7" Rugged Windows Tablet

IP68 certificated, UT20 is designed for anyone who works in harsh environments. The large memory storage, SD card expansion and SSD expansion demands large data requirement. The 7-inch screen is suitable for outdoor work such as survey, GIS, retail, logistics, monitoring.

High Performance CPU
Equipped with Intel Celeron CPU N3350 and Windows 10 system, UT20 brings with smooth experience.

Large Memory Storage
UT20 has 64 GB internal storage to support large data access. It also supports SD card and SSD expansion.

High Resolution Screen
The 7-inch screen with 1280 x 800 resolution makes UT20 a high-fidelity device. 550-nits brightness makes it Sunlight viewable.

Powerful Extension Function
The pogo pin makes UT20 a powerful device for different kinds of applications. It is able to connect to external scanner and other modules as you want.

Long-time Operation
The new 4050 mAh rechargeable and replaceable battery ensures long time operation up to 6 hours without interruption. The hot-swap battery supports up to three-minutes standby.

Rugged Design
UT20 is IP68 certificated as a rugged device. It survives a 1.5 m drop on concrete floor and passes the MIL-STD-810F, MIL-STD-461F certifications.

Product Specification

System

Processor	Intel Celeron CPU N3350, 1.1 GHz
OS	Micro Windows 10 Enterprise 64bit
RAM	4 GB
ROM	64 GB EMMC

Screen

Screen Size	7"
Resolution	1280 x 800
Density	320 dpi
Brightness	550 nits
Touch Panel	Capacitive
Touch	10 touch points

Camera

Rear	8 MP
Front	2 MP
Flash Light	Support
Auto Focus	Support

GNSS

Channels	72, U-blox M8N, L1
Tracking	GPS, BDS, GLONASS
SBAS	Support
Accuracy	Single: 1 ~ 3 m SBAS: 0.6 m
External Antenna	Support

Communication

GSM	GSM/WCDMA/LTE 1 x Nano SIM
WIFI	802.11 a/b/g/n/ac
Bluetooth	4.2
SD Card	Support Micro SD card, up to 128 GB
SSD	Support SSD expansion
USB	1 x USB Type-C, Support OTG

	1 x USB 3.0
Pogo pin	35 pins

Power Supply

Battery	Rechargeable and replaceable Lithium-ion battery, 7.6 V, 4050 mAh
Hot swap	Yes, more than 3 minutes standby
Working	4-6 hours[1]
Charge	4 hours
Safety Lock	With battery safety lock

Sensor

Speaker	Yes
Light	Yes
Magnetometer	Yes
Gyroscope	Yes
Accelerometer	Yes
Compass	Yes

Physical

Dimension	207 x 138 x 19.8 mm
Weight	745 g with battery 575 g Without battery
Operating Temperature	-20℃ ~ +60℃
Storage Temperature	-40℃ ~ +70℃
Water/Dust Proof	IP68
MIL-STD	MIL-STD-810G MIL-STD-461F
Shock	Survive a 1.5 m drop on concrete floor
Humidity	95%
Buttons	Power, 2 x FN
Others	DC-in, Kensington locker TMP2.0 3 x MS-147 Port (WIFI, 4G, GNSS)[2]
Certificate	FCC, IC, CE, RoHS, REACH, WEEE, RCM, E-mark

1. The actually working time depends on the temperature and the running software.

2. The MS-147 antennas are not standard accessories.