

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.

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.

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.

Large Memory Storage

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

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.

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			1 x USB 3.0
Processor	Intel Celeron CPU N3350, 1.1 GHz	Pogo pin	35 pins
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		
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°C ~ +60°C		
Storage Temperature	-40°C ~ +70°C		
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.



Shanghai eSurvey GNSS Co., Ltd.
Building 4, No. 651 Wanfang Rd, Minhang District, Shanghai 201112, China

Tel: +86 21 54467215
Email: info@esurvey-gnss.com
Web: www.esurvey-gnss.com
Edition: 20201123