

## RUGGED DATA COLLECTOR TABLET PC Version:2021

8 Inch Full Rugged RFID, NFC, 1D/2D Readers

Rugged industrial-grade data collection tablet PC, The product has 8 inch FHD screen with 1000nit, Sunlight readable, based on a MTK Helio P60 Octa-core processor and 4G communication technology, and 18900mAh battery. It uses titanium aluminum alloy body frame, multiple shell protection design. Use Android system with GMS certification and support Safeum EDM system. The product can integrate UHF, HF, LF, barcode and other industrial data collection modules. The products can be applied to many application scenarios including Outdoor work, patrol inspection, warehouse inventory, logistics and express delivery, manufacturing, new retail of stores, asset management and so on, which can help enterprises improve their management level.



## APPEARANCE



- 1. Type-A(Sealed Cover)
- 2. Sub Camera
- 3. Light sensor
- 4. Charge lamp
- 5. Home button
- 6. Back button
- 7. Volume Up
- 8. Volume Down
- 9. Scan button
- 10. Defined button
- 11. Speaker
- 12. Power button
- 13. SIM/TF card slot(Sealed Cover)
- 14. Type-c(Sealed Cover)
- 15. SMA interface(Optional)
- 16. Barcode module(Optional)
- 17. Mic
- 18. 4PIN magnetic charging interface
- 19. Main camera
- 20. 10PIN expansion interface(Optional)
- 21. Nameplate

## SPECIFICATION

<b>Hardware</b>		<b>Communications &amp; Networking</b>	
CPU	ARM Cortex A73 Octa-core (2.0GHz)	Phone Call	GSM /WCDMA/CDMA 1X/VoLTE
GPU	Arm Mali-G72 MP3	2G	GSM/CDMA 1X/EDGE/GPRS/WAP
RAM	8G	2G Band	GSM (B2/3/5/8)
Internal Memory	128G	3G	WCDMA 3.75G (HSDPA+ 42.2Mbps, HSUPA+ 11.5Mbps), EVDO
External Memory	Micro SD card (T-FLASH card), max 256GB	3G Band	WCDMA (B1/2/5/8), Evdo: BC0/BC1 CDMA: BC0/BC1
Main Camera	13.0MP(AF) with flash led	4G	FDD: 150Mbps down, 50Mbps UP TDD: 150Mbps downlink, 50Mbps uplink
Sub Camera	5.0MP	4G Band	TD-LTE (B38/39/40/41); FDD LTE (B1/2/3/4/5/7/8/12/17/20/28)
Battery	18900mAh	WI-FI	Dual-band WIFI (2.4GHz/5GHz) single stream 802.11 a/b/g/n/ac
Display	8 inch IPS/AFFS FHD 1920*1200 industrial 1000nit Sunlight -Readable	Bluetooth	5.0 Low Energy (LE)
Touch Panel	Capacitive/frosted tempered film supports glove touch/spray/active capacitive pen	<b>Industrial &amp; Reliability Design</b>	
<b>IO/Sensor/Navigation</b>		Shake-proof	1-19Hz/1.0mm; 19-200Hz/1.0g
SIM Card	Nano sim card*2	Droptproof /IK	MIL-STD-810G/Method516.6/Procedure IV & Touch Panel IK05
TF Card	Micro SD card (T-FLASH card); max 256GB	Waterproof	Class 7 (IEC 60529)
Charging interface	Type-C & 4PIN magnetic charging	Dustproof	Class 6 (IEC 60529)
Data interface	USB Type-A(Host)*1, Type-C*1	Operating temperature	-20°C to 55°C
Gravity sensor	support	Storage Temperature	-40°C to 80°C
Direction Sensor	support	Reliability	MTBF>5000h; MTTR<0.5h
Magnetic Field Sensor	support	RH	5%RH-95%
Gyro sensor	support	Operating Altitude	Max: 4,500m (15,000 feet)
Rotation Vector	support	<b>Certification/OS/Software</b>	
Light-sensor	support	Certification	3C/FCC/CE/ROHS/IP67 (IEC 60529)
Acceleration sensor	support	Language	English, Spanish, Portuguese (Brazil), Portuguese (Portugal), Italian, German, Dutch, French, Polish, Romanian, Turkish, Russian, Arabic, Indonesian, Malay, Thai, Vietnamese, Hindi, Hebrew, Simplified, Chinese, Chinese Traditional, etc.
Motion sensor	support	OS	Android 10 / 11
Charger	5.0V 2A-10W	<b>Package/Warranty terms</b>	
Navigation	GPS+Beidou+Glonass+AGPS+SBAS (EPO 2.5m)	Warranty	24 months
<b>Appearance</b>		Package	USB cable/Charger 5V 2A/Introduction manual/Screen protector/Packing box /Aircraft box/ Toolkit (optional)/SIM Card Ejector/Magnetic Charging Cable
Size	256*159*23mm (L*W*H)		
Weight	1015g		
Color & Material	Gray (PC+ABS)		

## FUNCTION MODULES

<b>LF RFID data collection</b>		<b>Data Collection</b>	
125K LF ID Module	LF RFID, 125K	Scanning engine	E20 Barcode Module
134 LF RFID Module	LF RFID, 134k Animal module	2D	QR Code, Micro QR, Data Matrix, PDF417, Micro PDF417, Aztec, Maxicode, Hanxin code, Dotcode, Composite.
<b>HF RFID/NFC</b>		1D	Code 128 ( ISBT 128, AIM 128, GSI 128 ), EAN-13, EAN-8, UPC-E, UPC-A, ISBN, ISSN, Code11, Interleaved 2 of 5, Code39, Code93, Code32, Codabar, Matrix 2 of 5, Industrial 25, IATA25, MSI Plessey, GSI DataBar, Plessey, Febraban.
Frequency	13.56MHz		
Protocol standard	ISO14443A/B, ISO15693, NFC		
Label standard	M1 (S50, S70), CPU, NFC		
Read-write distance	2-5cm		
<b>UHF RFID</b>			
Air interface protocol	EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C		
Operating spectrum range	902Mhz - 928Mhz 865MHz - 868MHz (Optional)		
Output range	0-26dbm		
Output accuracy	+/- 1dB		
Output power level	+/- 0.2dB ,The label is sensitive and stable.		
Reading distance	≥1.8m (E41 tag)		

## PRODUCT CONFIGURATION

Order number	Module							recommend				
	Barcode module	RFID module										
	E20 Barcode Module	125K LF	134K LF	HF&LF dual frequency ID/IC card read-only module	13.56M HF multi-protocol module	UHF module (M500+Ceramic antenna)	NFC module					
	●					●		*				
	●						●	*				
	●	●										
	●		●									
	●			●								
	●	●			●							
	●					●						
	●						●					