

# HUGEROCK T70EX Version:2021

RUGGED ATEX TABLET PC  
7Inch ATEX Full Rugged and Versatile Mobile Platform

Ex-Marking: II2G Ex ib IIB T4 GB Certificate NO. ECM 21 ATEX-B TQ87

The HUGEROCK T70EX rugged ATEX tablet PC is ideal for personnel working in explosive gas environments such as petroleum, petrochemical, mining, military, and public safety departments. Compliant with MIL-STD-810G and IP67 standards, it is durable enough to effectively protect equipment from dust, water, motion, vibration, temperature, and other factors that can quickly damage equipment. It can withstand a drop of up to 5.5ft and a shock pressure test of 2 tons. The T70EX can easily build RFID in various frequency bands. It also features a long-life 10000mAh intrinsically safe battery, the screen is readable in sunlight, and operates in extremely low temperatures.

- 1000 NIT FHD
- 8GRAM+ 128ROM
- 10000mAh intrinsically safe battery
- ATEX Explosion Proof
- ARM Cortex A73 octa-core (2.0GHz)
- MIL-810G Drop-proof 5.5ft
- Google GMS
- Mobile Device Management by Safeuem



**HUGEROCK-T70EX**  
Tools for Explosion-proof

Shenzhen SOTEN Technology Co., LTD  
ADD: 10F, B#2, Pivon Research Building, No. 5158 Shahe West Road, Nanshan, Shenzhen, China 518055  
Phone: +86(0755)-61885156 61827963 Fax: +86(0755)-61827963  
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## APPEARANCE



- 1. Type-C (Sealed Cover)
- 2. MIC
- 3. Light sensor
- 4. Front Camera
- 5. SIM (Sealed Cover)
- 6. TF (Sealed Cover)
- 7. Volume Down
- 8. Volume Up
- 9. Rest
- 10. Power Button
- 11. Headphone Jack (Sealed Cover)
- 12. Rear Camera
- 13. Speaker
- 14. Nameplate



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## SPECIFICATION

Model : T70EX(2021)

<b>Hardware</b>	ARM Cortex A73 Octa-core (2.0GHz)	<b>Communications &amp; Networking</b>	Phone Call GSM /WCDMA/CDMA 1X/VoLTE
CPU	ARM Mali-G72 MP3	2G	GSM/CDMA 1X/EDGE/GPRS/WAP
GPU	8G	2G Band	GSM (B2/3/5/8)
RAM	128G	3G	WCDMA 3.75G (HSDPA +42.2Mbps, HSUPA +11.5Mbps), EVDO
Internal Memory	Micro SD card (T-FLASH card), max 256GB	3G Band	WCDMA(B1/2/5/8), Evdo: BC0/BC1 CDMA: BC0/BC1
External Memory	13.0MP (AF) with flash led	4G	FDD: 150Mbps down, 50Mbps UP TDD: 150Mbps downlink, 50Mbps uplink
Main Camera	5.0MP	4G Band	TD-LTE(B38/39/40/41); FDD LTE(B1/2/3/4/5/7/8/12/17/20/28)
Sub Camera	10000mAh	Wi-Fi	Dual-band WIFI (2.4GHz/5GHz) single stream 802.11 a/b/g/n/ac
Battery	7 inch IPS/AFFS 1200*1920 FHD industrial 1000nit Sunlight Readable	Bluetooth	4.2 Low Energy (LE)
Display	Capacitive/frosted tempered film supports glove touch/spray/active capacitive pen	<b>Industrial &amp; Reliability Design</b>	
Touch Panel		Shake-proof	1-19Hz/1.0mm; 19-200Hz/1.0g
<b>IO/Sensor/Navigation</b>		Dropproof /IK	MIL-STD-810G/Method516.6/Procedure IV & Touch Panel IK05
SIM Card	1.8/3.3V SIM card	Waterproof	Class 7 (IEC 60529)
TF Card	Micro SD card ( T-FLASH card); max 256GB	Dustproof	Class 6 (IEC 60529)
Headphone	3.5mm (CTIA)	Operating temperature	-20°C to 55°C
Charging interface	Type-C*1	Storage Temperature	-40°C to 80°C
Data interface	USB Type-C(OTG)*1	Reliability	MTBF>5000h; MTTR<0.5h
Direction Sensor	support	RH	5% to 95%
Gravity sensor	support	Operating Altitude	Max: 4,500m (15,000 feet)
Magnetic Field Sensor	support	<b>Certification/OS/Software</b>	
Motion sensor	support	Certification	3C/FCC/CE/ROHS/ATEX/IP67 (IEC 60529)
Rotation Vector	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
Light-sensor	support	OS	Android 10.0
Acceleration sensor	support	Ex-Marking	II2G Ex ib IIB T4 GB
Charger	5.0V 2A-10W	Certificate NO.	ECM 21 ATEX-B TQ87
Navigation	GPS+Beidou+Glonass+AGPS+SBAS (EPO 2.5m)	<b>Package/Warranty terms/OEM</b>	
<b>Appearance</b>		Warranty	24 months
Size	200*132*21mm (LxWxH)	OEM/ODM	Support
Weight	640g	Package	USB cable/Charger 5V 2A/Introduction manual/Screen protector/Packing box (Can be customized logo)/Aircraft box/Toolkit (optional)
Color & Material	Black&yellow; Black&green; Black&Gray		



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## OPTIONAL MODULES & ACCESSORIES



**RFID Reader**  
Optional LF HF UHF

**125K LF RFID Module**  
support: ID card(8H-10D)EM4100, 4001, TK4100, EM4305  
Read distance 2-5cm  
(optional HID card support)

**13.56M HF RFID or NFC Module**  
13.56M HF support ISO14443A/B/ISO15693 readable/data transmission/Card Emulation/encryption authenticated  
Read distance 2-5cm

**134K LF RFID Module**  
Operation Frequency: 134.2kHz support agreement: ISO11784/5 Read distance >5cm  
Working mode: FDX-B (full-duplex communication)

**UHF RFID Module/antenna**  
Air interface protocol: EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C Operating spectrum range: 902MHz - 928MHz/865MHz - 868MHz(Optional)  
Output range : 0-26 dBm  
Output accuracy : +/- 1dB  
Output power level : +/- 0.2dB  
Read distance : 1.5-2m(2db antenna test card E41)

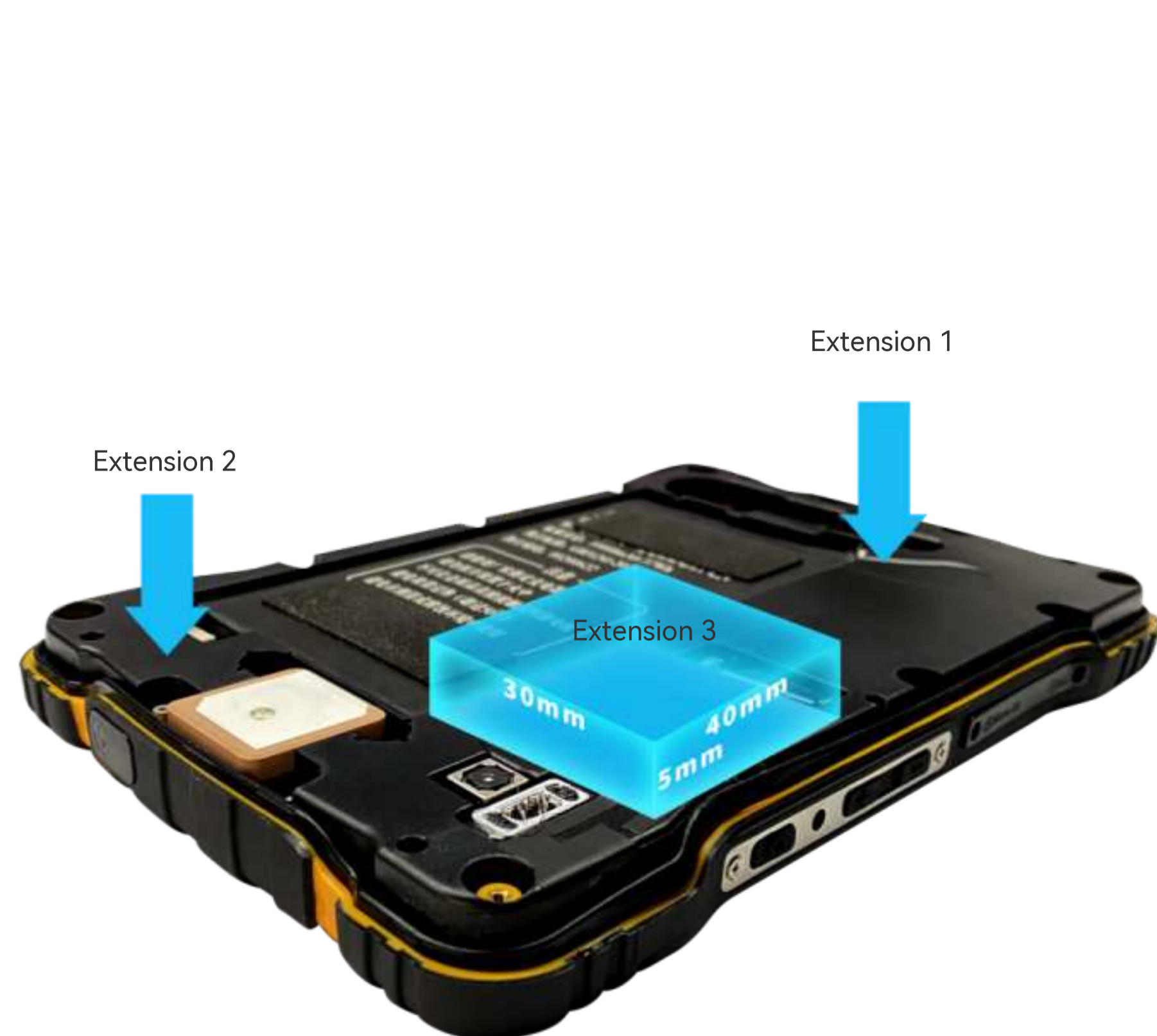
RS232 Serii\*\*The RFID module only supports one of the optional port module



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## OPTIONAL MODULES



<b>Extension 1</b>	NFC module	
<b>Extension2 Positioning module(1612)</b>	HD 1612(Beidou)+Ceramic Antenna HD1612(GLONASS)+Ceramic Antenna	
<b>Extension 3</b>	<b>UHF module</b>	(M500 ASTM) + Antenna (M500 EN)+Antenna
	<b>LF RFID module</b>	125K LF ID card (8H-10D) 125K LF ID card (10D) 125K LF HID card module 134K LF animal tag module
	<b>HF RFID module</b>	13.56M HF module (single protocol) 13.56M HF module (multi-protocol)
	<b>Industrial-grade short-distance data communication module</b>	Lora ZigBee
<b>Other customer supply modules</b>	Need to meet the interface conditions : Powered by 3.3V-1.5A/5V-1.5A, UART to meet, interface level 3.3V/5V,GPIO 1/electrical level 3.3V/5V.	



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