

The HUGEROCK T60EX rugged atex pda 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 ft and a shock pressure test of 2 tons. The T60EX can also easily integrate professional functions, including UHF RFID, 1D/2D barcode, high-precision GNSS, etc. It also features a long-life 7800mAh intrinsically safe battery, the screen is readable in sunlight, and operates in extremely low temperatures.



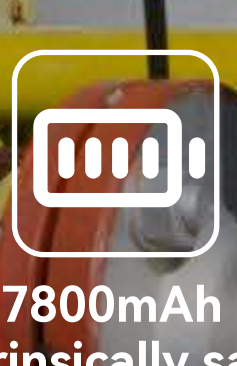
ATEX Explosion Proof



8GB RAM + 128GB ROM



ARM Cortex A73 octa-core (2.0GHz)



7800mAh intrinsically safe battery



MIL-810G Drop-proof 5ft



Google GMS



Mobile Device Management by Safemem



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APPEARANCE



Order No:6021Y



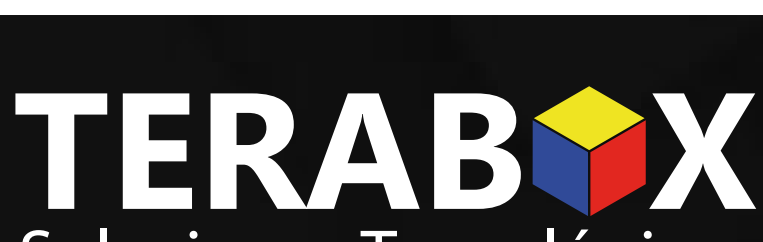
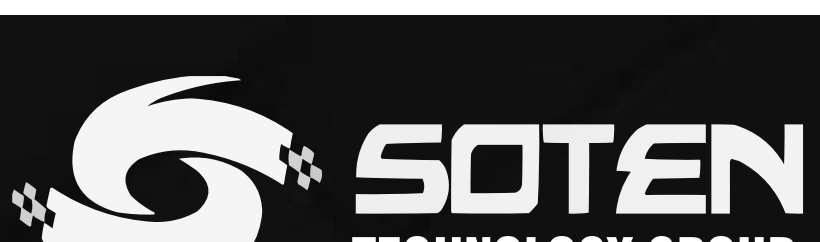
Order No:6021G



Order No:6021R



1. Power button
2. SOS button
3. Type-C (Sealed Cover)
4. Earphone (Sealed Cover)
5. RS232 (Optional)
6. Barcode module (Optional)
7. SIM (Optional)
8. Hanging hole
9. Front camera
10. Charge lamp
11. Receiver
12. Light sensor
13. Delete button
14. Custom button
15. Home button
16. Confirm button
17. Menu button
18. Fingerprint module (Optional)
19. Back button
20. Arrow button
21. Search button
22. MIC
23. 2pin pogo pin
24. Volume up
25. Volume down
26. Scan button (Definition)
27. SIM (Sealed Cover)
28. Nameplate
29. Main camera
30. Flash light
31. Speaker
32. Fihand strap xing parts



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SPECIFICATION

Model : T60EX(2021)

Hardware	Communications & Networking
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: 7800mAh	WI-FI: Dual-band WIFI (2.4GHz/5GHz) single stream 802.11 a/b/g/n/ac
Display: 5.5 inch IPS/AFSS 1080*1920 FHD industrial 500cd/m2 Sunlight Readable	Bluetooth: 4.2 Low Energy (LE)
Touch Panel: Capacitive/frosted tempered film supports glove touch/spray/active capacitive pen	Industrial & Reliability Design
IO/Sensor/Navigation	Shake-proof: 1-19Hz/1.0mm ; 19-200Hz/1.0g
SIM Card: Nano sim card*2	Dropproof /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)
Headphone: 3.5mm (CTIA)	Dustproof: Class 6 (IEC 60529)
Charging interface: Type-C*2pin pogo pin	Operating temperature: -20°C to 55°C
Data interface: USB Type-C(OTG)*1	Storage Temperature: -40°C to 70°C
RS232 (Optional): RS232X1	Reliability: MTBF=5000h; MTRR<0.5h
Gravity sensor: support	RH: 5% to 95%
Motion sensor: support	Operating Altitude: Max: 4,500m (15,000 feet)
Direction Sensor: support	Certification/OS/Software
Magnetic Field Sensor: support	Certification: ATEX/3C/FCC/CE/ROHS/IP67 (IEC 60529)
Gyro 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
Rotation Vector: support	OS: Android 10.0 / 11.0
Light-sensor: support	Ex-Marking: II 2G Ex ib IIB T4 Gb
Acceleration sensor: support	Certificate NO. ECM 22 ATEX-B DC69
Charger: 5.0V 2A-10W	Package/Warranty terms/OEM
Navigation: GPS+Beidou+Glonass+AGPS+SBAS (EPO 2.5m)	Warranty: 24 months
Appearance	OEM/ODM: Support
Size: 195*98*22mm (L*W*H)	Package: USB cable/Charger 5V 2A/Introduction manual/Screen protector/Packing box (Can be customized logo)/Aircraft box/Toolkit (optional)/OTG x 1/SIM Card Ejector x 1
Weight: 460g	
Color & Material: Black&yellow; Black&green; Black&Gray	



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OPTIONAL MODULES & ACCESSORIES



Barcode reader
Optional 1D/2D module



2D Barcode Module N1

N12D PDF417, QR Code, Micro QR, Data Matrix
1D Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, ISSN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, AIM128, Plessey, MSI-Plessey 640*480 CMOS
EAN13 (13mil) 65-350mm, PDF417 (6.7mil) 50-125mm ,
Code39 (5mil) 40-150mm, Data Matrix (10mil) 45-120mm ,
QR Code (15mil) 30-170mm



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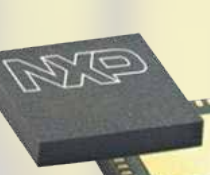
OPTIONAL MODULES & ACCESSORIES



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: 134.2kHzsupport agreement : ISO11784/5Read distance >5cm
Working mode : FDX-B (full-duplex communication)



UHF RFID Module/Antenna
Air interface protocol : EPCglobal UHF Class 1 Gen 2 / ISO 18000-6COperating spectrum range : 902MHz ~ 928MHz265MHz ~ 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)

**Only one RFID module can be selected

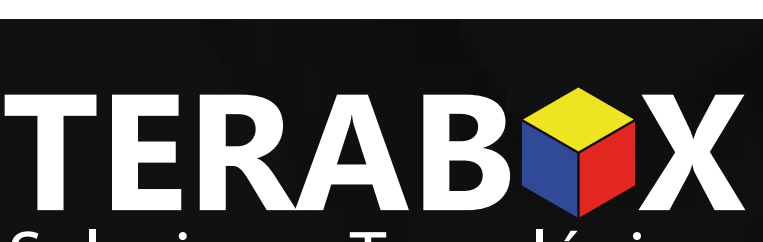


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OPTIONAL MODULES



Extension 1	Extension 2
UHF RFID module	(M500 ASTM) + Antenna (M500 EN) + Antenna
LF RFID module	125K LF ID card (8H-10D) 125K LF ID card (10D) 125K LF HID card module 134K LF animal tag module
HF RFID module	13.56M HF module (single protocol) 13.56M HF module (multi-protocol)
NFC module	
RS232 module	
Other customer supply modules	Need to meet the interface conditions: Powered by 3.3V-1.5A/5V-1.5A, UART Interface, interface level 3.3V/5V, GPIO 1/electrical level 3.3V/5V.
Extension 2	1D/2D barcode module



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