

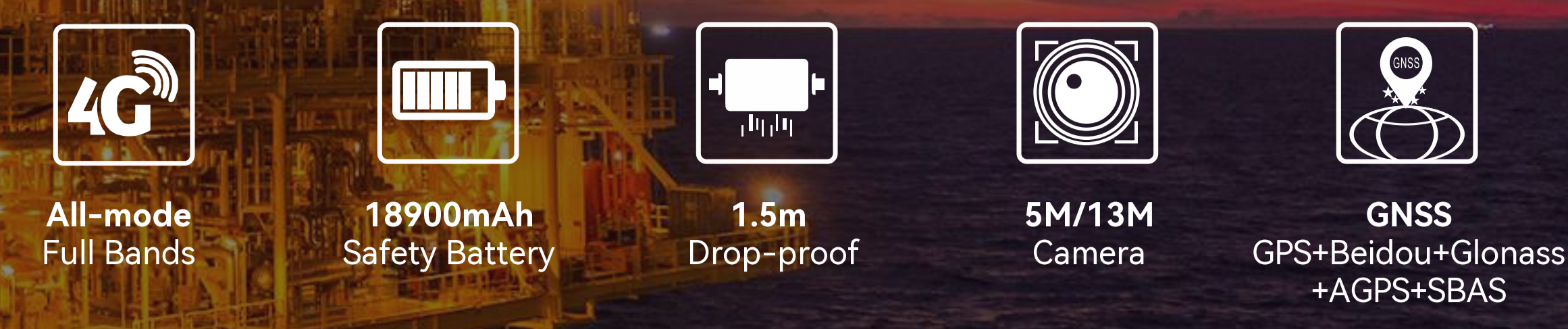
HUGEROCK T80

Version:2021

RUGGED TABLET PC

8inch rugged Multi-function Mobile Computer

T80(2021) Hugerock rugged tablet PC, it uses 8 inch high-brightness display, with toughened touch panel, which enhances with UHF RFID, fingerprint, barcode, and various sensors as the data-collecting ways. With Titanium alloy frame, cases made by bicolor mould, it is backed by MIL-STD-810G/Method516.6/Procedure IV for durability and protection against dirt, dust, water and motion. Also it goes with a long-life 18900mAh battery, sunlight-readable, and operating under extreme low temperature. It can fully realize control of the community, inventory, goods traceability, drug safety supervision and management of industrial processes, etc.



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APPEARANCE



- Type-A(Sealed Cover)
- MB aviation connector(optional)
- Front camera
- Light sensor
- Charge lamp
- Fingerprint module(optional)
- Home button
- Back button
- Volume Down
- Volume Up
- Scan button/defined button
- Defined button
- Speaker
- Power button
- SIM/TF(Sealed Cover)
- Type-C(Sealed Cover)
- SMA interface
- Barcode module
- Mic
- 4pin Pogo pin(magnetic)
- Main camera
- 10PIN expansion interface
- Nameplate

Order No : 8021Y Order No : 8021G Order No : 8021R



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SPECIFICATION

Model : T80(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	3G: GSM(B2/3/5/8)
Internal Memory: 128G	WCDMA 3.75G/HSOPA+42.2Mbps, HSUPA+11.5Mbps, EVDO
External Memory: Micro SD card(T-FLASH card), max 256GB	3G Band: WCDMA(B1/2/5/8), Evdo: BCD/B1 CDMA: BCD/B1
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 802.11n/b/g/n/ac
Display: 8 inch IPS/AFFS FHD 1920*1200 industrial 1000nit Sunlight-Readable	BT: 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)
Charging interface: Type-C & 4pin pogo pin (magnetic)	Dustproof: Class 6 (IEC 60529)
Data interface: USB Type-A(Host)*1, Type-C*1	Reliability: MTBF>5000h; MTTR<0.5h
UART (optional): UART TTL 3 X2 onboard	Operating temperature: -20°C to 55°C
RS232 (optional): RS232X1	Storage Temperature: -40°C to 70°C
RS485 (optional): RS485X1	Humidity: 5% to 95%
Gravity sensor: support	Operating Altitude: Max 4,500m(15,000 feet)
Magnetic Field Sensor: support	Certification/OS/Software
Motion sensor: support	Certification: 3C/FCC/CE/ROHS/IP67 (IEC 60529)
Rotation vector 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
Acceleration sensor: support	OS
Gyro sensor: support	Android 10.0 / 11.0
Light sensor: support	Package/Warranty terms/OEM
Proximity sensor: support	Warranty: 24 months
Temperature pressure sensor: Optional	OEM/ODM: Support
Charger: 5.0V 2A-10W	Package: USB cable/Charger 5V 2A/introduction manual/Screen protector/Packing box(Can be customized logo) /Aircraft box/Toolkit(optional) / SIM Card Ejector x 1 / Magnetic Charging Cable
Navigation: GPS+Beidou+Glonass+AGPS+SBAS (EPO 2.5m)	
Appearance	
Size: 256*151*23mm (L*W*H)	
Weight: 1015g	
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: FD×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: +/- 0.2dBThe label is sensitive and stable
Read distance: 1.5-2m (standard test card E41)

**The RFID module only supports one of the optional



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OPTIONAL MODULES & ACCESSORIES

Fingerprint
Optional G2010

G2010 Module
G2010 capacitive fingerprint sensor, FAP10, 500 dpi, 8 bit, 256X360, FBI MINEX III (NIST Certification)



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OPTIONAL MODULES & ACCESSORIES

Barcode Reader
Optional 2D

2D Barcode Module M1
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-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(13mm)45-350mm, PDF417(6.7mm)50-125mm, Code39(5mm)40-150mm, Data Matrix(10mm)45-120mm, QR Code(15mm)30-170mm



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OPTIONAL MODULES

Extension	Module	Description
Extension 1	UHF RFID module	(M500 ASTM) + Antenna (M500 ENI) + 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)
	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/SV, GPIO 1 /electrical level 3.3V/SV.
Extension 2	UART (Optional)	10PIN expansion interface
Extension 3	Barcode Module	
Extension 4	Temperature pressure sensor	
Extension 5	Fingerprint Module	
Extension 6	NFC Module	



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Customized

LOGO

Face shell:
LOGO laser carving craft

Boot screen: widthwise
Boot screen background color: white, light color
Boot screen resolution: 1920*1200

Nameplate customization:

Program 1: C: High-gloss metallic silver
M: stainless iron
F: Laser iron craft

Program 2: C: black M: Acrylic or PET (explosion-proof customized material)
F: silk screen process

Nameplate size: 35.7*18.7mm
Example:



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