



HUGEROCK T80L

RUGGED TABLET PC

8 Inch Rugged Multi-Function Mobile Computer

T80L 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.



All-mode
Full Bands



18900mAh
Safety Battery



1.5m
Drop-proof



5MP/13MP
Camera



GNSS
GPS+Beidou+Glonass
+AGPS+SBAS



HUGEROCK-T80L
tools for industrial

Shenzhen SOTEN Technology Co., LTD

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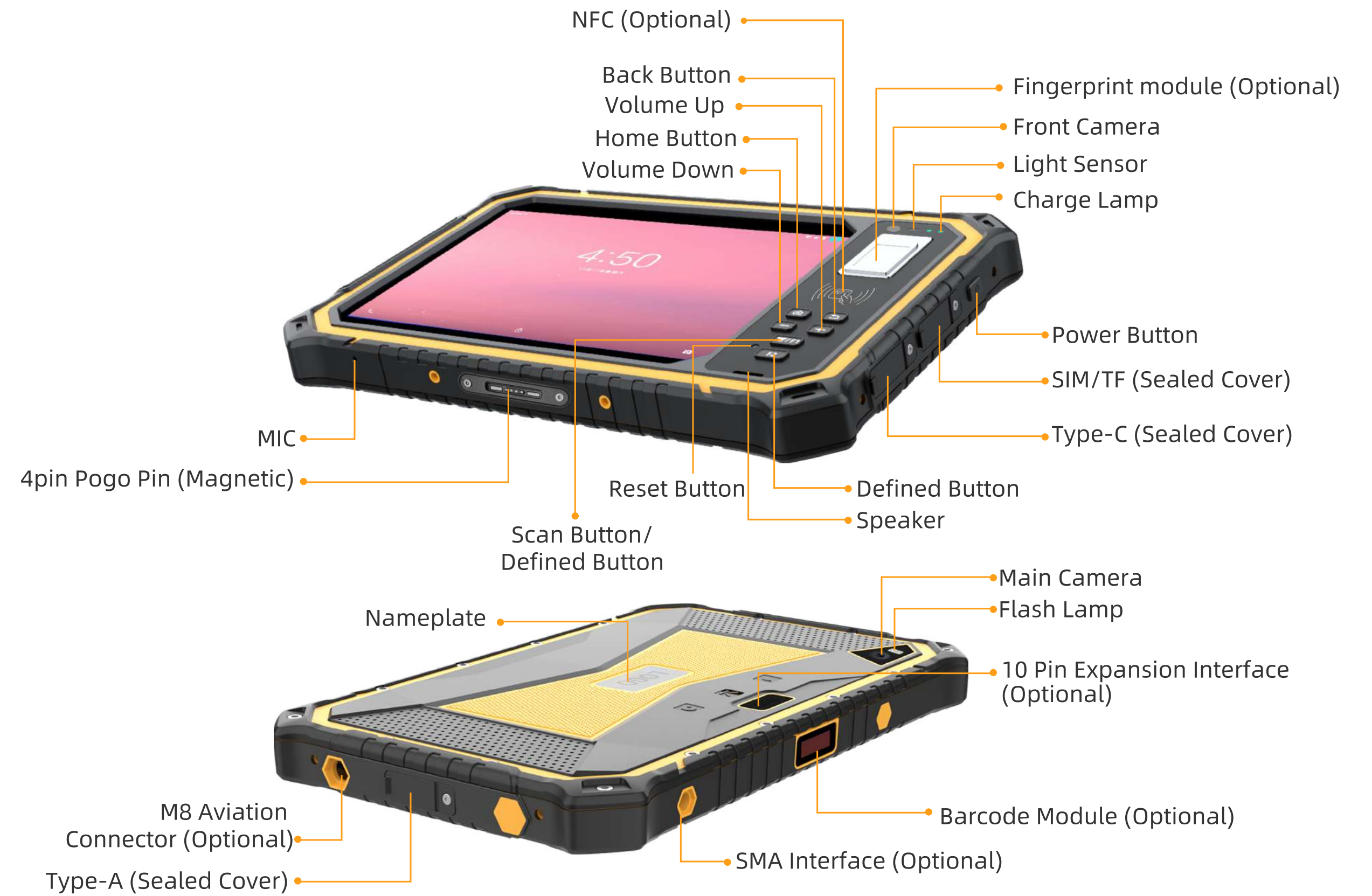
APPEARANCE



Yellow

Green

Gray



SPECIFICATION

Model : T80L

Hardware		Communications & Networking	
CPU	ARM Cortex A73 octa-core (2.0GHz)	Phone Call	GSM /WCDMA/VoLTE
GPU	ARM Mali-G72 MP3	2G	GSM/EDGE/GPRS/WAP
RAM	6GB	2G Band	GSM (B2/3/5/8)
Internal Memory	64GB	3G	WCDMA 3.75G (HSDPA+42.2Mbps, HSUPA+11.5Mbps)
External Memory	Micro SD card (T-FLASH card), Max 1TB	3G Band	WCDMA (B1/2/5/8)
Main Camera	13.0MP (AF) with flash led	4G	FDD: 150Mbps down, 50Mbps UP TDD: 150Mbps , 50Mbps up
Sub Camera	5.0MP	4G Band	TD-LTE (B38/39/40/41); FDD LTE (B1,B2,B3,B4,B5,B7,B8,B12,B17,B20,B28)
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	BT	5.0 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/ TF Card	Nano SIM card * 2, Micro SD card * 1 (Choose any two out of three)	Dropproof /IK	MIL-STD-810G/Method516.6/Procedure IV & Touch Panel IK05
Charging interface	Type-C & 4pin pogo pin (magnetic)	Waterproof	Class 7 (IEC 60529)
Data interface	USB Type-A (Host)*1, Type-C*1	Dustproof	Class 6 (IEC 60529)
Gravity Sensor	support	Operating Temperature	-20°C to 55°C
Magnetic Field Sensor	support	Storage Temperature	-40°C to 80°C
Motion Sensor	support	Reliability	MTBF>5000h; MTTR<0.5h
Gyroscope sensor	support	RH	5% to 95% (95%RH, non-condensing)
Light-sensor	support	Operating Altitude	Max: 4,500 m (15,000 feet)
Acceleration Sensor	support	Certification/OS/Software	
Charger	5.0V 2A-10W	Certification	3C/CE/ROHS/IP67 (IEC 60529)
Navigation	GPS+Beidou+Glonass+AGPS+SBAS (EPO 2.5m)	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
Appearance		OS	Android 9/10/11/13 (Continuous Updates)
Size	256*159*23mm (LxWxH)	Package/Warranty terms/OEM	
Weight	1015g	Warranty	24 Months (12-month Battery Warranty)
Color & Material	Black&yellow, Black&green, Black&Gray (PC+ABS+TPU)	OEM/ODM	Support
		Package	USB Cable/ Charger/ Introduction Manual/ Screen protector/ Packing box (Can be Customized Logo) / Magnetic Charging Cable/ Precautions Card/ Hand strap/ Toolkit (Option)



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OPTIONAL MODULES & ACCESSORIES

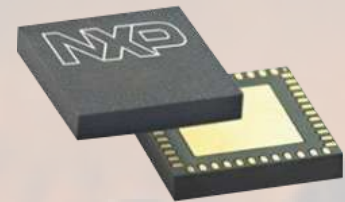


RFID Reader Optional LF HF UHF



125K LF RFID Module

Support: ID Card(8HEX-10D)EM4100, 4001, TK4100, EM4305
Read Distance 2-5cm
(Optional HID card support)



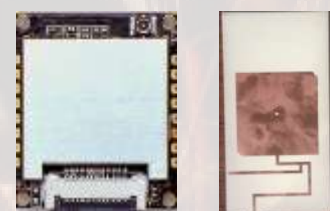
13.56M HF RFID or NFC Module

13.56M HF Support ISO14443A/B/ISO15693 Readable/Data Transmission/Card Emulation/Encryption
Authenticated
Read Distance: 2-5cm



134.2K LF RFID Module

Operation Frequency: 134.2kHz
Support Agreement: ISO11784/5
Read Distance: 2-5cm
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
Tag recognition is sensitive and stable.
Read Distance : 2-3m(2dB Antenna Test Card E41)

**The RFID module only supports one of the optional



OPTIONAL MODULES & ACCESSORIES



Fingerprint Module



G2010 Module

Grayscale: 32768
FAP10, 508 dpi, 8 bit, 256X360.
FBI MINEX III (NIST Certification)
RoHS Certification

OPTIONAL MODULES & ACCESSORIES



Barcode Reader
Optional 1D/2D



E20 Barcode Module

2D: QR Code, Micro QR, Data Matrix, PDF417, Micro PDF417, Aztec, Maxicode, Hanxin code, Dotcode, Composite.

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.



2D Barcode Module Honywell N3680

2D: PDF417, MicroPDF417, Data Matrix, Maxicode, QR Code, MicroQR, Aztec, Hanxin, etc.

1D: UPC, EAN, Code 128, Code 39, Code 93, Code 11, Matrix 2 of 5, Codabar Interleaved 2 of 5, Mis Plessey, GSI DataBar, China Postal, Korean Postal, etc. 640 pixels (H) x 480 pixels (V) High Resolution; 6.88 mil (PDF417): 0mm-50mm;)

OPTIONAL MODULES



Extension 1	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 134.2K 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 by3.3V-1.5A/5V-1.5A, UART Interface, interface level 3.3V/5V, GPIO 1 /electrical level 3.3V/5V.
	Positioning module	High-precision multi-mode GNSS positioning module (meter-level RTD)
		High-precision multi-mode dual- frequency module (centimeter level RTK)
		High-precision multi-mode full- band module (mm-level RTK)
Extension 2	UART (Optional)	UART TTL3.3 X2 onboard
	RS232 (Optional)	RS232X1
	RS485 (Optional)	RS485X1
Extension 3	Barcode Module	
Extension 4	Fingerprint Module/NFC Module	