

T80

8" Android Rugged Tablet Multi-Function Mobile Computer

Overview

T80 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/Method 516.6/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.

Features

- ARM Cortex A73 Octa-Core 2 GHz
- Operating System Android 9/10/11/13...
- Screen size 8-inch IPS, resolution 1920x1200
- Optional: 1D, 2D barcode reader, NFC, RFID, Fingerprint
- Supports 4G, Wi-Fi, Bluetooth and GNSS
- High-capacity battery 18900mAh
- MIL-STD-810G & IP67 certified



Android



Fingerprint



Barcode
2D



High-
capacity



IP67



RFID

I/O Interfaces



Specifications

DISPLAY		
Size	8-inch IPS/AFFS FHD	
Touch type	Capacitive/Frosted tempered film supports glove touch / spr / active capacitive pen	
Resolution	1920 x 1200	
Luminance	1000 nits Sunlight-Readable	
SYSTEM		
CPU	MediaTek MT6771 ARM Cortex-A73 Octa-Core 2.0 GHz	
Memory	8 GB	
Storage	128 GB	
External Memory	Micro SD Card (T-Flash Card), max 1TB	
Graphics	ARM Mali-G72 MP3	
Operating System	Android 9/10/11/13... (Continuous Updates)	
Camera	Front : 5MP Rear : 13MP autofocus camera with flash led	
Sensor	Gravity, Magnetic Field, Motion, Gyroscope, Light, Acceleration	
I/O PORTS		
USB	1x USB Type A (Host) 1x USB Type C	
Card slot	2x Nano SIM card 1x Micro SD card Choose any two out of three	
Charging interface	1x Type-C & 4-Pin Pogo Pin (magnetic)	
COMMUNICATION		
Wi-Fi	Dual-Band Wi-Fi (2.4GHz/5.0GHz), single stream 802.11 a/b/g/n/ac	
Bluetooth	Bluetooth V5.0 Low Energy (LE)	
Cellular	Phone Call : GSM/WCDMA/VoLTE 2G : GSM/EDGE/GPRS/WAP 2G BAND : GSM (B2/3/5/8) 3G : WCDMA 3.75G (HSPDA+42.2Mbps, HSUPA+11.5Mbps) 3G BAND : WCDMA (B1/2/5/8) 4G : FDD: 150Mbps down, 50Mbps UP TDD: 150 Mbps, 50Mbps UP 4G BAND : TD-LTE (B38/39/40/41); FDD LTE (B1, B2, B3, B4, B5, B7, B8, B12, B17, B20, B28)	
GNSS	GPS, GLONASS, BeiDou, AGPS, SBAS (EPO 2.5m)	
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 by 3.3V-1.5A/5V-1.5A, UART Interface, interface level 3.3V/5V, GPIO 1 /electrical level 3.3V/5V.
Extension 2	UART (Optional) 10-Pin expansion interface	
Extension 3	Barcode Module	
Extension 4	Temperature pressure sensor	
Extension 5	Fingerprint Module	
Extension 6	NFC Module	
ENVIRONMENT		
Charger	5.0V 2A 10W	
Operating temperature	-20°C to 55°C	
Storage temperature	-40°C to 80°C	
Relative humidity	5% to 95%, non-condensing	
Operating Altitude	Max: 4,500m (15,000 feet)	
Shake-proof	1-19Hz /1.0mm; 19-200Hz/1.0g	
Dropproof / IK	MIL-STD-810G/Method 516.6/Procedure IV & Touch Panel IK05	
Waterproof	Class 7 (IEC 60529)	
Dustproof	Class 6 (IEC 60529)	
Reliability	MTBF >5000h; MTTR <0.5h	
IP Rating	IP67	
Language	French, English, Spanish, Portuguese (Brazil), Portuguese (Portugal), Italian, German, Dutch, Polish, Romanian, Turkish, Russian, Arabic, Indonesian, Malay, Thai, Vietnamese, Hindi, Hebrew, Simplified, Chinese, Chinese Traditional,...	
BATTERY		
Battery type	18900mAh	
MECHANICAL		
Dimensions (L x W x H mm)	256 x 159 x 23 mm	
Weight (kg)	1015g	
Color	Black&Yellow, Black&Green, Black&Gray (PC+ABS+TPU)	
CERTIFICATION		
Certification	CE, 3C, ROHS	

.T80

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Dimensions



Ordering Information

Ref.	Description
T80	8", 1200x1920, 1000 nits, MT6771, 8+128GB, Gray, Neutral