

Product name	Description	Version
LOCOSYS T80RTK	Rugged Tablet PC	1.0



1 Introduction

LOCOSYS T80RTK, it uses 7.9 inch High-brightness display, with toughened touch panel, which enhances with RFID, high-precision GNSS, 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 10000mAh battery, sunlight-readable, and operating under extreme low temperature. It can fully realize control of the community, GIS surveying, Inventory, goods traceability, drug safety supervision and management of industrial processes.

2 Features

- ✚ Waterproof
- ✚ Dustproof
- ✚ Drop proof
- ✚ Full function

-  Low-Power
-  Extensible
-  RFID
-  2G/3G/4G modem
-  GNSS
-  RTK

3 Specification

Hardware	CPU	Cortex A53 1.5G Hz Quad core 64bit
	GPU	Mali-T720
	RAM	3G LPDDR II
Storage	RAM/ROM	3GB RAM + 32GB ROM
	Storage (Optional)	Micro SD card (T-FLASH card) Max 64GB
Appearance	Size(mm)	256*159*23 mm
	Color & Material	ABS+PC TPU
	Weight(g)	860g
Communications & Networking	2G/3G/4G Band	GSM (B2/3/5/8) WCDMA (B1/2/5/8) TDSCDMA (B34/39) TD-LTE (B38/39/40/41) FDD LTE (B1/3/7)
	3G	WCDMA 3.75G (HSDPA+ 42.2Mbps, HSUPA+ 11.5Mbps) TD-SCDMA
	4G	FDD: Up to 150Mbps downlink 50Mbps uplink TDD: Up to 150Mbps downlink 50Mbps uplink
	EDGE	Support
	GPRS	Support
	WAP	Support
	WI-FI	Dual-band (2.4GHz/5Ghz) Single stream 802.11 a/b/g/n MAC/BB/RF
	BT	BT v2.1+EDR/BT 3.0+HS compliance Bluetooth v4.0 Low Energy (LE)

Screen	Display	7.9' inch ; IPS/AFFS 768*1024 ; 420 cd/m2
	Touch Panel	5 point touch capacitance screen tempered glass/ support spray / salt mist /capacitance pen / touch gloves
Camera	Main Camera	13.0 MP (AF & electro-flash)
	Sub Camera	5.0MP
Sensor	● Direction Sensor	
	● Gravity sensor	
	● Electronic compass (Magnetic Field Sensor)	
	● Motion sensor	
	● Rotation Vector Sensor	
	● Gyroscope Sensor	
Port & Battery	Battery	10000 mAh
	SIM Card	1.8/3.3V
	TF Card	Micro SD card (T-FLASH card) Max 64GB
	Headphone	3.5mm
	I/O	USB Type-C 24pin
	Data interface	USB Type-C 24pin support OTG
		USB Type-C 24pin support RS-232 *2
External Function	OS	Andriod 5.1 (or up)
	Navigation / Position	➤ GPS / (<5M) ➤ GPS + BEIDOU / (<2.5M) ➤ GPS + GLONASS / (<2.5M)
	FM	Digital FM radio
	UHF RFID	UHF RFID 1.5M-2M , 902-928M (Option 865-868M) 18000-6C
	LF RFID	LF RFID ID (125k) Support EM4100 , 4001 , TK4100 , EM4305
	RTD Position	➤ GPS + BEIDOU / (<1M) ➤ GPS + GLONASS / (<1M)

Industrial Design	Shake-proof	1-19Hz / 1.0mm 19-200Hz / 1.0g
	Drop proof	MIL-STD-810G Method 516.6 Procedure IV
	Waterproof	Class 7 (IEC 60529)
	Dustproof	Class 6 (IEC 60529)
	Reliability	MTBF>50000h MTTR<0.5h
	Operating Temperature	-20°C ~ 60°C
	Storage Temperature	-40°C ~ 80°C
	RH	5% ~ 95%
	Operating Altitude	Max: 4,500 m (15,000 feet)

The specification is only for reference, Please make the object as the standard.