

.XRT-23A1001S1

10.1" Android Rugged Tablet Multi-Function Mobile Computer

Overview

XRT-231001S1 mobile IOS terminal tough appearance is with 10.1" industrial-grade, 1000 cd/m² full-view display, toughened glass TP, and also aero-grade titanium alloy material frame. It meets MIL-STD-810G/Methd516.6/ProcedureIV and military standard. And it can withstand up to a 1.2m drop and 2 ton shock pressure test. While, it can also comes with a suite of integrated features, which is high-integration, high-performance, high-reliability, high-flexibility. Also it goes with a long-life 14600mAh battery, sunlight-readable, and operating under extreme low temperature.

Features

- ARM Cortex A73 Octa-Core 2 GHz
- Operating System Android 9/10/11/13...
- Screen size 10.1-inch IPS, resolution 1920x1200
- Optional: 1D, 2D barcode reader, NFC, RFID, Fingerprint
- Supports 4G, Wi-Fi, Bluetooth and GNSS
- High-capacity battery 14600mAh
- MIL-STD-810G & IP65 certified



Android



Fingerprint



Barcode 2D



High-capacity



IP65



RFID

I/O Interfaces



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Specifications

DISPLAY		
Size	10.1-inch IPS/AFFS FHD	
Touch type	Capacitive/Frosted tempered film supports glove touch / sprta / 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	2x USB Type A (Host) 1x USB Type C	
RS-232	Uses 5-Pin micro USB interface, including one GPIO port	
Card slot	2x Nano SIM card 1x Micro SD card Choose any two out of three	
Charging interface	1x Type-C & 8-Pin Pogo Pin	
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	Fingerprint Module	
Extension 2	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 HID Card Reader Module
	HF RFID Module	13.56M HF Module (Single Protocol) 13.56M HF module (Multi-Protocol)
	UHF RFID Module	UHF UHF (M500 American standard) UHF Air antenna , (long distance 8-10 meters)

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		UHF ultra high frequency (M500 European standard) UHF module R2000 UHF module (M550 integrated with module antenna)
	NFC	NFC Module NFC antenna
	1D/2D Barcode Module	E20 scanner N3680 scanner
	Warmth Sensation	Temperature pressure sensor
	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)
	Industrial-Grade Short-Distance data communication Module	LoRa Zigbee
	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.
ENVIRONMENT		
Charger	5.0V 3A 15W	
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/Method516.6/Procedure IV & Touch Panel IK05	
Waterproof	Class 5 (IEC 60529)	
Dustproof	Class 6 (IEC 60529)	
Reliability	MTBF >5000h; MTTR <0.5h	
IP Rating	IP67	
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,...	
BATTERY		
Battery type	14600mAh	
MECHANICAL		
Dimensions (L x W x H mm)	320 x 210 x 12 mm	
Weight (kg)	1320g	
Color	Gray (Titanium alloy+ABS+PC+TPU)	
CERTIFICATION		
Certification	CE, 3C, ROHS, FCC	

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Dimensions



Ordering Information

Ref.	Description
XRT-23A01001S1	10.1", 1200x1920, 1000 nits, MT6771, 8+128GB, Gray, Neutral