

.XHT-24A0501S1

5.5" Rugged PDA industrial multi-function mobile handheld

Overview

XHT-24A0501S1 industrial multi-function mobile handheld, tough appearance is with 5.5" industrial-grade, 1000 nits FHD display, toughened glass TP, and also aero-grade titanium alloy material frame. It meets MIL-STD-810G/Method 516.6/Procedure IV and military standard. And it can withstand up to a 1.5m drop and 2 ton shock pressure test. While, it 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 9000mAh 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 5.5-inch IPS, resolution 1080x1920 FHD
- Optional: 1D, 2D barcode reader, NFC, RFID
- Supports 4G, Wi-Fi, Bluetooth and GNSS
- High-capacity battery 9000mAh
- MIL-STD-810G & IP67 certified



Android



Barcode 2D



High-capacity



IP67



RFID

I/O Interfaces



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Specifications

DISPLAY		
Size	5.5-inch IPS/AFFS FHD	
Touch type	Capacitive/Frosted tempered film supports glove touch / spray / active capacitive pen	
Resolution	1080x1920	
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	Main : 13.0MP (AF) with Flash Led Sub camera : 5.0MP	
Sensor	Gravity, Magnetic Field, Motion, Gyroscope, Light, Acceleration	
I/O PORTS		
USB	1x USB Type C OTG	
SIM Card / TF Card	2x Nano SIM Card 1x Micro SD Card Choose any two out of three	
Charging interface	1x Type-C & 4-Pin Pogo Pin	
Headphone	3.5mm (CTIA)	
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	<i>UHF RFID Module</i>	(M500 ASTM) + Antenna (M500 EN) + Antenna
	<i>LF RFID Module</i>	125K LF ID Card (8H-10D) 125K LF ID Card (10D) 125K LF ID Card Module 134.2K LF Animal Tag Module
	<i>HF RFID Module</i>	13.56M HF Module (single protocol) 13.56M HF Module (multi-protocol)

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	<i>Positioning Module</i>	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)
	<i>NFC</i>	
	<i>RS-232</i>	
	<i>Other customer supply modules</i>	Need to meet the interface conditions: Powered by 3.3V-1.5A/5V1.5A, UART interface, interface level 3.3V/5V, GPIO 1 /electrical level 3.3V/5V.
Extension 2	<i>1D/2D Barcode Module</i>	
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/Method516.6/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	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	9000mAh	
MECHANICAL		
Dimensions (L x W x H mm)	195 x 98 x 22 mm	
Weight (kg)	490g	
Color	Black&Yellow, Black&Green, Black&Gray (PC+ABS+TPU)	
CERTIFICATION		
Certification	CE, 3C, ROHS, FCC	

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Dimensions



Ordering Information

Ref.	Description
XHT-24A0501S1	5.5", 1080x1920, 1000 nits, MT6771, 8+128GB, Sun Yellow, Neutral