



# X501

## Industrial Handheld Terminal

5.5-inch HD full screen · Multiple configurations available · Octa core processor



Android



4G



Wifi



Bluetooth



1D barcode



2D barcode



PASM



NFC



UHF



ID Recognition



LF



Camera



# Product Specifications

## Performance

Octa Core	
CPU	MT6762 Octa core 64-bit 2.0GHz high-performance processor
RAM+ROM	2GB+16GB/4GB+64GB
Expand memory	Micro SD(TF) Supports up to 256GB
System	Android 10.0/Android 13.0

## Data Communication

WLAN	Dual-band 2.4GHz / 5GHz, Support IEEE 802.11ac/a/b/g/n/d/e/h/i/j/k/r/v protocol
WWAN	2G:GSM (850/900/1800/1900MHz)
	3G:WCDMA (850/900/1900/2100MHz)
	4G:FDD:B1/B3/B4/B7/B8/B12/B20 TDD:B38/B39/B40/B41
Bluetooth	Support Bluetooth 5.0+BLE Transmission distance 5-10 meters
GNSS	Support Gps, Galileo, Glonass, Beidou

## Physical Specifications

Dimensions	179mm×74.5mm×23.2mm (the thinnest)
Weight	<500g (Depends on device function configuration)
Display	5.5 inch IPS color display with resolution 720×1440
Screen brightness	>500cd/m <sup>2</sup>
TP	Supports multi-touch
Battery capacity	Rechargeable polymer battery 7.6V 2750mAh (Equal to 3.8V 5500mAh),removable
	Standby time >350 hours Charging time 3-4H, Using standard power adapter and data cable
Expansion Card slot	Nano SIM card × 1 ,TF card × 1, PSAM×2 (Optional)
Communication interface	Type-C USB × 1, OTG
Speaker volume	>96db (test distance 10cm)
Audio	Speaker (mono), Microphone, Receiver
Main keys	Home key, Delete key, Back key,Confirm key
Side keys	Silicone keys: Power key, Volume +/- key, Scan key ×2
Sensors	Gravity sensor, Light sensor, Proximity sensor, Vibration motor

## Data Collection

Barcode Scanning (Optional)	
2D Scanning engine	Honeywell N5703 N6703,6602-W2
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS,etc.
	Postal Codes:USPS Planet, USPS Postnet, China Post, Korea Post, Australian Postal, Japan Postal, Dutch Postal (KIX), Royal Mail, Canadian Customs,etc.
2D Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode, HanXi,etc.

## Camera (Standard)

Rear camera	13MP HD camera,Support auto focus, Flash, Anti-shake, Macro shooting
Front camera	2MP color camera

## ID Card(Optional)

Radio frequency technology	Comply with ISO/IEC 14443 type B standard, GA450-2003 General Technical Requirements for desktop ID card Reader, 1GA450-2003 General Technical Requirements for desktop ID Card Reader Amendment No. 1 (draft)
Security module	Radio frequency technology
Distance	0-5cm
Reading time	<1.55s
Frequency	13.5MHz±7kHz

## NFC (Optional)

Frequency	13.56MHz
Protocol	Support ISO14443A/B, 15693 agreement
Distance	2cm-5cm

## UHF (optional)

Frequency	840-960MHz(Support multi-country frequency customization)
Protocol	EPCglobal UHF Class1 Gen2 / ISO 18000-6C
Distance	>1.5m

## LF (optional)

Frequency	125K/134.2K; ISO11784/ISO11785/FDX-B frequency
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## Language/Input Method

Input	English, Pinyin, Handwriting input, Support soft keypad
Language	Language packs in Simplified Chinese, Traditional Chinese, English, Korean, Japanese, Malaysian,etc.

## User Environment

Operating temperature	-20℃ - 55℃
Storage temperature	-40℃ - 70℃
Environment humidity	5%RH--95%RH(no condensation)
Drop specification	6 sides Supports 1.5 meters drops on the marble within the operating temperature
Rolling test	0.5m rolling for 6 sides, can still work steadily
Sealing	IP66

## Accessories

Standard	Adapter, Data cable, Protective film, Instruction manual
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Special Note: Product data is for reference only and subject to change without notice. model: X501 Update: 2024-06-26



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