

Product Specification



A. Product specification

Performance	Model	MP-300 Pro
	OS	Android 8.1
	Processor	Quad-core 1.1 GHz
	Screen	5.0 inch color screen, 720×1280 pixel resolution
	Touch panel	Hi-sensitivity capacitive, multiple touch, glove mode, moist screen, passive stylus signature.
	Memory	RAM: 1GB ROM: 8GB
	Expansion.	Micro SD card, up to 128GB
Basic spec	Dimension	184mm×81mm×32mm (Max. 51mm)
	Weight	550g (include battery)
	Buttons	Volume +/- key, power key, Function key (Fn) , Clear key, Delete key, Enter key.
	Camera	5M pixel
	IME	English, Chinese phoneticize, handwriting input, customer install.
	Barcode decode	1D/2D barcode decoder Can decode all international standards 1D/2D barcode; Can decode barcode displayed on screens and colored barcode;
	Main battery	Typical: 3.8V 5000mAh Working time: 8-10 hours (depends on user scenarios), support RTC.
	Charging time	Less than 5 hours (Room temp.)
	Position system	High accuracy GPS, support A-GPS, Beidou and GLONASS.
	Fingerprint	Fingerprint (Optional)
	ID module	ID module (Optional)
	SIM slot type	Standard SIM x 1, PSAM x 1, SIM/PSAM auto detect x 1
	Peripheral	Micro USB, DC Jack, 3.5mm earphone jack, POGO PIN
Voice	Speaker, earpiece, earphones-with-microphone, BT earphone , Beeper	
Other accessories	Power adaptor, USB cable, battery.	
Payment	Magnetic stripe card	1, 2, 3 tracks applicable, bidirectional swipe, ISO7811/7812/7813 standard
	IC card reader	ISO/IEC 7816 standard, China bank union, PBOC LEVEL 1&2 certificated, EMV LEVEL 1&2 certificated.
	Contactless card	ISO15693, ISO/IEC14443A&B, Mifare, Felica, NFC
	Security certification	China bank union (UPTS 2.0), PCI PTS certificated, commercial encryption codes.
Data communication	Position system	High accuracy GPS, support A-GPS, Beidou, GLONASS
	WIFI	IEEE 802.11b/g/n (2.4G WIFI)

	WAN	4G, 3G, 2G
	Bluetooth	BT 4.1 + BR/EDR + BLE
Environmental	Working temperature	-10°C ~ 50°C
	Storage temperature	-20°C ~ 70°C
	Humidity	5%RH~95%RH (No condensation)
	Drop resistance	1.2 M free drops
	Tumble	1 M tumble, 100 cycles (200 drops)
	ESD	Air±15KV, Contact±8KV

B. Scanner engine

Engine	Standard 2D
Rotate angle	360°
Skew Tolerance:	±60°
Pitch Tolerance:	±60°
Support code	UPC/EAN ,Bookland EAN ,UCC Coupon Code,ISSN EAN,Code 128 ,GS1-128 ,ISBT 128 ,Code 39 ,Trioptic Code 39,Code 32,Code 93,Code 11,Interleaved 2 of 5,Discrete 2 of 5,Codabar ,MSI ,Chinese 2 of 5 ,Korean 3 of 5 ,Matrix 2 of 5 ,Inverse 1D ,GS1 DataBar ,Composite Codes,PDF417,MicroPDF417,DataMatrix,Data Matrix Inverse,Maxicode,QR Code,MicroQR,QR Inverse,Aztec,Aztec Inverse,Han Xin,Han Xin Inverse, Postal Codes,US Postnet,US Planet,UK Postal,Japan Postal,Australian Postal,Netherlands KIX Code,USPS 4CB/One Code/Intelligent Mail,UPU FICS Postal

C. Camera

Camera type	Rear camera
Function	Flashlight, AF, video recording
Resolution	5M pixel

D. RFID(HF)

RFID	Read/Write (HF)
Support tag type	ISO15693, ISO14443A/B, MIFARE : Mifare S50 , Mifare S70 , Mifare UltraLight, Mifare Pro, Mifare Desfire ...etc., FeliCa, NFC
Frequency	13.56MHz
Distance	0~6 cm (ISO15693), 0-4 cm(ISO14443A/B)

E. ID module (Optional)

ID card	Description
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Baud rate	106kbps
Maximum reading distance	1cm
Power input	5V/250mA
Protocol	ISO-14443- B protocol

F. Fingerprint module (Optional)

Fingerprint	Fingerprint security
Frame rate	12 fps
Resolution	256*360 pixels
Scanned picture size	13mm*18.3mm(W*H)

G. Position system

position system	Parameter
System type	GPS, A-GPS, Beidou, GLONASS
Frequency	GPS:L1(1.575GHz C/A code), 北斗: B1(1.561GHz), GLONASS:L1(1.602GHz)
Cold start	Less than 40 sec.
Max channel	31 channel
Sensitivity	-130dB (SNR 40dBHz)
Accuracy	5-10M (Open site)

H. WLAN

Wifi	WLAN
Protocol	IEEE 802.11b/g/n (2.4G WIFI)
Frequency	2.4G
Channel	CH1-CH13, depends on region.
Security	EAP-TLS, EAP-TTLS, EAP-FAST, LEAP, PEAP-MSCHAPv2, PEAP-TLS, PEAP-GTC, PWD, SIM, AKA Encryption: WEP, WPA/WPA2-PSK, WAPI certified, WAPI-PSK
Roaming	802.11r fast roaming

I. WAN

WAN	Parameter	
Worldwide	4G	TD-LTE(B34/B38/B39/B40/B41) FDD-LTE(B1/B2/B3/B4/B5/B7/B8/B12/B17/B19/ B20/B25/B26/B28A/B28B/B66)
	3G	WCDMA(B1/B2/B4/B5/B8) CDMA2000 1x EV-DO Rev.A BC0
	2G	CDMA 1x GSM/EDGE/GPRS(850/900/1800/1900)

J. Bluetooth

Standard	Parameter
Mode	BT 4.1+BR/EDR+BLE
Distance	10 M

K. Certification

Certification	认证类型
China	CCC、SRRC、China network access license, PBOC LEVEL 1&2, QPBOC LEVEL 1&2, UPTS 2.0 certificated, mPOS security standard, commercial encryption code certificated, cloud POS network certificated, QUICS certificated.
Worldwide	CE, FCC, RoHS, PCI, EMV LEVEL 1&2certificated, EVM contactless LEVEL 1 certificated, PayWave, PayPass, American Express Expresspay certificated

L. Accessories

Accessories	
Accessories	Dual batteries charging cradle, single cradle, fingerprint module, stylus, hand strip.