

MP-200 Mobile POS

Product Specification V1.0



A. Product Specifications

Performance	Model	MP-200
	O.S.	Android 8.1
	Processor	Quad-core 1.3GHz
	Display	5.0 inch display, 1280×720
		5.5 inch display, 1280×720(optional)
	Touch Screen	High sensitivity capacitive touch panel
	Memory	RAM: 1GB ROM: 8GB RAM; 2GB ROM: 16GB(optional)
Extended Memory	Micro-SD card, Up to 128GB	
Basic specifications	Dimensions	Height:188mm(7.4 in.)
		width:81mm(3.2 in.)
		Depth:35mm(1.4 in.) (61mm(2.4 in.)at the thickest point)
	Weight	457g(16.1 oz) with battery
	Buttons	Volume+/-, Power, Navigator Key(Menu, Home, Back)
	Barcode Scanning	1D/2D barcode reader
		Can read all international standards 1D/2D barcode; Can read barcode displayed on screens and colored barcode;
	Main battery	3.7V 5200 mAh
		Working time:10-12h (depends on environment and activity), support RTC
	Charging time	Less than 5 hours (room temperature)
	Slots	Micro SD/TF*1+Micro SIM*1+SAM*1+SIM/SAM*1(self-adaption)
IO	Micro USB, POGO PIN	
Audio	Speaker, buzzer	
Other accessories	Cable, Power adapter, battery	
Printer	58mm low noise and high-speed thermal printer	

Payment	Magnetic stripe card	Support magnetic 1/2/3 track card, bidirectional swipe, and meet the standards of ISO7810/7811
	IC card	Meet the standard of PBOC3.0 and EMV. (Listed in Certifications)
	NFC	Support ISO/IEC1443 A&B, Mifare card, Sony Felica, Support NFC
	Compliance Security	Union Pay Certificate (UPTS2.0), PCI PTS (Payment Card Industry PIN Transaction Security)
Network Connections	WAN	4G, 3G, 2G
	Bluetooth	BT4.1+BR/EDR+BLE
	Wi-Fi	IEEE 802.11a/b/g/n(2.4G/5G dual band Wi-Fi)
	Positioning	GPS, A-GPS, BEIDOU, GLONASS, Galileo
Environment	Temperature	-10°C to 50°C (14 °F to 122 °F)
	Storage	-40°C to 70°C (-40 °F to 158 °F)
	Humidity	5%RH~95%RH(No condensation)
	Drop Specification	Multiple 4 ft./1.2m drop to concrete
	Tumbling	100 3.3ft./1.0m tumbles
	Sealing	IP67
	ESD	±15KV Air discharge, ±8KV Direct discharge

B.Data Capture Specifications

Rear Camera	
Functions	Flash light, Auto-focus, Video
Pixels	5MP
Front Camera	
Pixels	2MP, Fix-focus(optional)

C.RFID (HF)

RFID	Read/Write(HF)
Standards supported	ISO15693, ISO14443A/B, MIFARE: Mifare S50, Mifare S70, Mifare UltraLight, Mifare Pro, Mifare Desfire , FeliCa, support NFC
Frequency	13.56MHz
Nominal read range	0-4cm (ISO14443A/B), ISO15693:0-6cm (depends on protocol type of the SIM card and inner antenna structure)

D.GPS

GPS	Specification
Support mode	Support GPS, A-GPS, BEIDOU, GLONASS, Galileo
Frequency	GPS(L1 1.575GHz C/A code), BeiDou(B1 1.561GHz), GLONASS(L1 1.602GHZ), Galileo(L1 1.575GHz)
Cold start time	Less than 40s
Max channel	31 channel
Sensitivity	-130dB(SNR value 40 dBHz)
Accuracy	5-10m(Open site)

E.WLAN

WLAN	Specification
Radio	IEEE 802.11a/b/g/n(2.4G/5G WIFI) protocol
Frequency range	2.4G
Working Channels	CH1~CH13, depends on country(region)
Security	EAP-TLS, EAP-TTLS, PEAP-MSCHAPv2, PEAP-TLS, PEAP-GTC, PWD, SIM, AKA, WEP, WPA/WPA2-PSK, WAPI, WAPI-PSK
Roaming	Support 802.11r fast roaming

F.WAN

WAN	Specification	
Worldwide radio frequency band	4G	TD-LTE(B34/B38/B39/B40/B41) FDD-LTE(B1/B2/B3/B4/B5/B7/B8/B12/B17/B19/B20/B25/B26/B28 A/B28B/B66)
	3G	WCDMA(B1/B2/B4/B5/B8)
	2G	GSM/EDGE/GPRS(850/900/1800/1900)

G.Bluetooth

Bluetooth	Specification
Support mode	BT4.1+BR/EDR+BLE
Range	More than 10m

H.Certification

Certification	Type
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

I.Optional accessories

Accessory	Type
Accessories	stylus, thermosensitive paper, Charging Dock, Multi-Functional Charging Dock