

PM500

SMART MOBILE POS TERMINAL FOR SEAMLESS PAYMENT

Payment processes made safe and secure with Android

Android has become the operating system of choice for a variety of rugged handheld devices. The new PM500, however, is one of the first mPOS (mobile Point-of-Sale) devices that unites the outstanding features and the latest tools the Android operating system offers with the industrial-class durability of a rugged enterprise device. With Android 7.1 and Point Mobile's collection of enterprise-tuned tools such as the Enterprise Mobility Kit (EmKit) – a world-proven customized kit designed precisely for the enterprise mobility market, the PM500 is the perfect choice for all retail applications. Take advantage of the large, bright 5" display panel with LED-backlight which shows vibrant and colorful data, whether you are indoors or outdoors. The capacitive touch screen lets you easily collect your customers' signature, while the integrated 2" thermal printer issues receipts in no time.

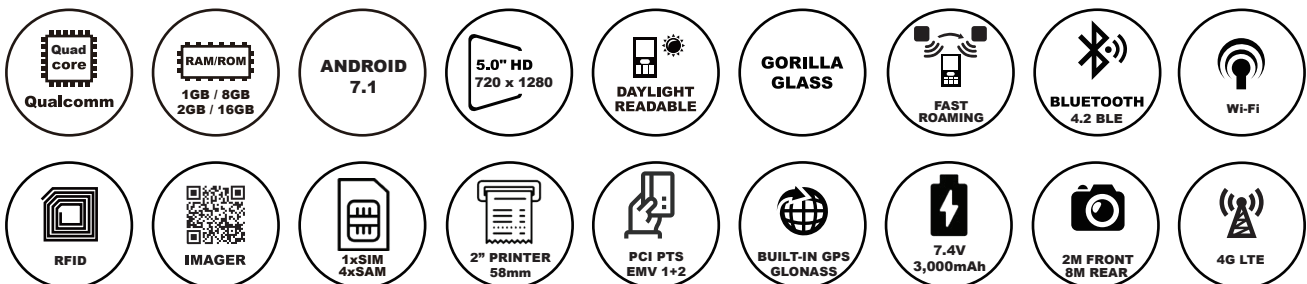


All common payment standards in only one device

Thanks to high-end components, PM500 meets the security requirements for mobile payment and matches all common industry standards such as PCI PTS 5.x, EMV (Contact L1 & L2 / Contactless L1 & Kernels) for safe and secure payment processes. The built-in magnetic stripe reader (MSR) collects data bi-directionally from three tracks. Right above the MSR there is a built-in vertical card slot for reading IC cards (ISO 7816 & PBOC/EMV compliant).

Fast and reliable data collection via integrated 2D barcode scanner, and NFC

PM500 adopts a 1D/2D barcode scanner seamlessly integrated on the backside of the device. The slight angle of the scanner engine module underlines the ergonomics of the terminal and enables you to collect data quickly and conveniently. The sophisticated technology of the scan module features a thin, bright laser aim for better visibility in dark or bright environments and accurately reads multiple barcodes, even those placed close to each other. The NFC reader on the top of the printer supports all standard tags such as ISO14443A/B, ISO15693, as well as a variety of MIFARE® and FeliCa tags. Optionally available is a 900MHz UHF reader.



PM500

PERFORMANCE CHARACTERISTICS

Main-Processor	
Qualcomm MSM8909	1.1GHz
Operating System	
Google Android	Android 7.1 Nougat FOTA (Firmware Over The Air) update

Memory and Storage	
RAM / ROM	1GB / 8GB or 2GB / 16GB (Optional)
Expansion Slot	1 Micro SD Card, supports up to 32 GB
SAM	4 Micro SAM
SIM	1 Micro SIM

Sensor	Light Ambient sensor, Accelerometer
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PHYSICAL CHARACTERISTICS

Dimensions (LxWxD)	
STD battery	179mm x 77.5mm x 64mm 7.05in x 3.05in x 2.52in

Weight	
STD battery	450g / 15.87oz

Display	5.0", 720 x 1280 pixels or higher, HD LED backlight, wide-viewing angle Daylight readable (500+ Nits) Multi-touch capacitive, Stylus
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Power	
Battery	7.4V 3,000mAh

Keypad	Power, Scanner (right/left)
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Voice and Audio	Rear speaker
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Wired Communication	USB Highspeed 2.0 Type C / OTG (supports charging, data transfer, USB memory)
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GLOBAL POSITIONING SYSTEM

GPS	Support A-GPS, Glonass, BeiDou
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STANDARD COMMUNICATIONS

Radio Frequency Band	
EU/KR LTE	B1/B3/B5/B7/B8/B20/B38/B40/B41
WCDMA	B1/B5/B8
GSM	850/900/1800/1900MHz

North America LTE	B2/B4/B5/B7/B12/B13/B25/B26
WCDMA	B1/B2/B4/B5/B8
GSM	850/1900MHz

Japan LTE	B1/B3/B8/B18/B19/B26/B41
WCDMA	B1/B6/B8/B19

Wireless LAN	
Radio	IEEE 802.11a/b/g/n, IEEE 802.11d/h/i/k/r/v

Bluetooth	4.2 BLE, Class 1
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Wired LAN	
Dial-Up Modem	w/ Docking-station

Ethernet	Cradle: 10/100 Ethernet MAC with Full-Duplex, RJ45 with LED status (data and link) (optional)
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DATA CAPTURE

NFC (Near Field Communication)	
	ISO Standards: ISO14443A/B, ISO15693, ISO18092 (NFC IP-1), ISO21481 (NFC IP-2) Frequency of 13.56Mhz HF Supported Tags: ISO14443A/B, FeliCa, ISO15693 MiFare® (Classic 1k/4k, Plus, UltraLight, DesFire)

Camera	
Rear	8MP (optional)
Front	2MP

Scanning	1D/2D barcode scanner (optional)
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RFID	900MHz UHF (optional)
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PAYMENT

MSR	Track 1/2/3, bi-directional
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Contact	EMV Contact L1/L2
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Contactless	EMV Contactless L1 / EMV Kernels (VISA, Master, Union-Pay, AMEX, JCB, D-PAS)
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Security	PCI PTS 5.x PED
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PRINTER

Speed	Max 85mm/second
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Size	
Width	58mm
Diameter	40mm

USER ENVIRONMENT

Operating Temperature	-10°C to 50°C / 14°F to 122°F
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Storage Temperature	-20°C to 70°C / -4°F to 158°F
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Humidity	5%~95% Relative Humidity, Non-condensing
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Electrostatic Discharge	±15 kVdc air discharge (TBD) ±8 kVdc contact discharge (TBD)
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REGULATORY APPROVALS AND COMPLIANCE

Certified CE/CB, FCC/IC, NRCAN, JATE, TELECOM, KC

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