

PM500

SMART MOBILE POS TERMINAL FOR SEAMLESS PAYMENT

Payment processes made safe and secure with Android

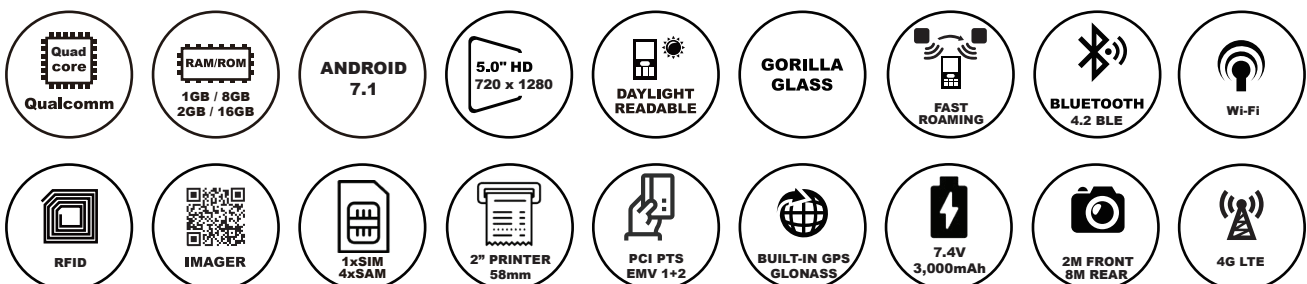
Android has become the operating system of choice for a variety of rugged handheld devices. The new PM500, however, is one of the first mPOS (mobile Point-of-Sale) devices that unites the outstanding features and the latest tools the Android operating system offers with the industrial-class durability 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.



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

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

Power

Battery 7.4V 3,000mAh

Keypad

Power, Scanner (right/left)

Voice and Audio

Rear speaker

Wired Communication

USB Highspeed 2.0 Type C / OTG
(supports charging, data transfer,
USB memory)

GLOBAL POSITIONING SYSTEM

GPS Support A-GPS, Glonass, BeiDou

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

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)

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)

RFID

900MHz UHF (optional)

PAYMENT

MSR Track 1/2/3, bi-directional

Contact EMV Contact L1/L2

Contactless EMV Contactless L1 / EMV Kernels (VISA, Master, Union-Pay, AMEX, JCB, D-PAS)

Security PCI PTS 5.x PED

PRINTER

Speed Max 85mm/second

Size

Width 58mm
Diameter 40mm

USER ENVIRONMENT

Operating Temperature -10°C to 50°C / 14°F to 122°F

Storage Temperature -20°C to 70°C / -4°F to 158°F

Humidity 5%~95% Relative Humidity,
Non-condensing

Electrostatic Discharge ±15 kVdc air discharge (TBD)
±8 kVdc contact discharge (TBD)

REGULATORY APPROVALS AND COMPLIANCE

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