POINT Mobile

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.
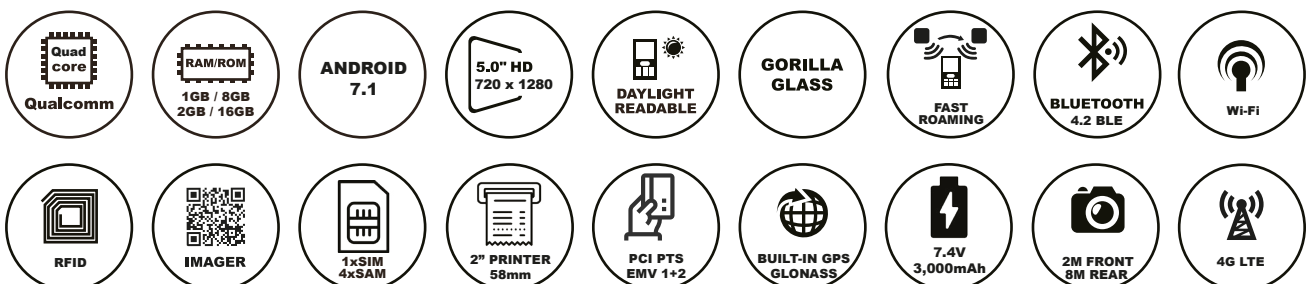
All common payment standards in only one device

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.

Quad core Qualcomm	RAM/ROM 1GB / 8GB 2GB / 16GB	ANDROID 7.1	5.0" HD 720 x 1280	DAYLIGHT READABLE	GORILLA GLASS	FAST ROAMING	BLUETOOTH 4.2 BLE	Wi-Fi
RFID	IMAGER	1xSIM 4xSAM	2" PRINTER 58mm	PCI PTS EMV 1+2	BUILT-IN GPS GLONASS	7.4V 3,000mAh	2M FRONT 8M REAR	4G LTE

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

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 Communcation)
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

NORDELETTRONICA
m o b i l e   s o l u t i o n s

Nordelettronica S.R.L.
Via Cantù, 36 - 20092 - Cinisello Balsamo (MI) - Italia
+39 02 6111961 - www.nordele.it - info@nordele.it