

# PM3

## STYLISH, HANDY, SMART BLUETOOTH SCANNER

### Stylish and Trendy design yet Durable towards Enterprise application market

Among the flood of many luxurious and privileged Smart phone design, one of the most required smartphone accessory in Enterprise market, Bluetooth® scanner were not accompanied with such trend. PM3 is pursuing the image of 'Stylish' and 'trendy' since it is mostly co-working with Smartphone and Smart tablet in field. Nevertheless, PM3 never abandon its durability and it is rugged enough as IP54 water/dust proof and 1.5m (5ft) drop resistance.

### Support Multi-Platform to serve a variety of users and application in Enterprise market

Starting from brand-free Android (from Gingerbread up to latest Lollipop) devices, PM3 can be pairing with iPhone®, iPod®, iPad®, MacBook® Air via Apple MFi certification as well as all Windows®based laptop, tablet and desktop PC. With this true platform free PM3, the IT managers, who should deploy Bluetooth® scanners in their work place, now do not need to have headache due to various workstation and BYOD(Bring Your Own Device) devices.

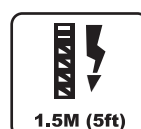
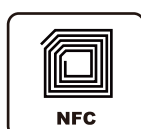
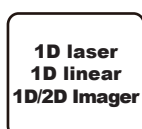
### Collect your necessary information from various media supporting 1D, 2D & NFC

PM3 adopts the latest 1D laser scanner, 1D CCD scanner & 1D/2D imager. It reads all sort of standard 1D and 2D barcode symbologies including GS1 Databar. Its optional linear imager (CCD) is perfectly able to collect barcode data displayed on computer screen and smart devices' screen. Also, its Near Field Communication function support peer-to-peer (P2P) communication and auto-triggering of Bluetooth® pairing as well as read/write data from ISO I4443A/B & MiFare cards.



### Features 'OF THE USERS, BY THE USERS, FOR THE USERS' in Enterprise business

- Stand-alone Global Positioning System (GPS), which is integrated in PM3, transmits a field worker's instant location to the host device so that field forces can be tracked on mapping solution.
- For outdoor usage, PM3 adopts OLED display to provide true sunlight readability.
- With software development kit (SDK), app developers freely controls PM3 with various type of Smart business application.



# PM3

## PHYSICAL CHARACTERISTICS

### Dimensions

With standard batt. 78.5 mm L x 39.0mm W x 19.4mm D  
3.1 in. L x 1.5 in. W x 1.1 in D

### Weight

With standard batt. 65g / 2.3oz

### Display

1.0", OLED display (128 x 64 resolution)  
Monochrome color

### Power

Standard Battery Li-ion, 910mAh, built-in, rechargeable,  
IEEE 172 Compliant  
Supports micro USB charging

### Keypad

3 keys (1 scan key & 2 menu keys)

### Standard Communications

USB 2.0 Client (Full Speed)

### Notification

3 color LED (Blue, Green & Red)  
Buzzer (90dB @ 10cm) & scan vibration

## PERFORMANCE CHARACTERISTICS

### Main-Processor

32-bit ARM® Cortex® -M4 RISC processor 120MHz

### Firmware

Upgradable via USB, SDK available, English, Korean, Chinese  
language support

### Supporting host OS

Android 4.0.3 or higher  
iOS 7.0.3 or higher  
Windows EH All versions  
Windows 10 IME

### Memory and Storage

Program Memory 1MB  
Storage 4MB Storage

## USER ENVIRONMENT

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

**Storage Temperature** -20°C to 60°C / -4°F to 140°F

**Humidity** 95% Non-condensing

**Drop** 1.5m (5 ft) over the operating  
temperature range at steel

**Rain / Dust Proof (Sealing)** IP54

**Tumble** 500 cycles (1,000hits) at 1 meter

**Electrostatic Discharge** ±15 kV air discharge  
±8 kV contact discharge

## DATA CAPTURE

### Integrated Barcode Reader

1D Laser  
1D CCD (screen barcode readable)  
1D/2D Imager (screen barcode readable)

### NFC (Near Field Communication)

13.56MHz, HF RFID  
Supports ISO14443A/B and Mifare  
Reading range : within 40mm (1.57inch)

## GLOBAL POSITIONING SYSTEM

### GPS

Stand-alone GPS : Ublox

## WIRELESS

Bluetooth Wireless Technology  
IEEE 802.15 v2.1 + EDR  
- Class 2 up to 30 meter  
- Human Interface Device (HID) Keyboard  
- Serial Port Profile (SPP), operating as either a master or a slave

## REGULATORY APPROVALS AND COMPLIANCE

Safety: EMC, RF, Laser approvals  
Radio: CE, KCC Marks  
Environmental: RoHS & WEEE compliant

## ACCESSORIES

### Standard Accessories



### Optional Accessories

