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.

| iOS Windows Android | BLUETOOTH | 1D laser 1D linear 1D/2D Imager | NFC | Built-in GPS | DAYLIGHT READABLE | IP54 | 1.5M (5ft) |

Technical Specifications

Physical characteristics
Dimensions with battery :
78.5 x 39.0 x 19.4mm (3.1 x 1.5 x 1.1 in)
Weight: 65g (2.3oz) including battery

Environmental
Operating: -10°C to 50°C (14°F to 122°F)
Storage: -20°C to 60°C (-4°F to 140°F)
Relative Humidity: Non-condensing, 95%
Rain & Dust Proof: IP54
Drop Specification: 1.5m (5 ft) per MIL-STD 810G
ESD: +/- 15 kV air, +/- 8 kV contact

Power
Battery : Li-Ion, 850-950mAh, Built-in,
Rechargeable, IEEE 172 Compliant
Supports micro USB charging

Micro-Processor
32-bit ARM® Cortex®-M4 RISC processor 120Mhz

Firmware
Proprietary firmware, upgradable via USB
Language support, English, Korean, Chinese
Software Development Kit available
Supporting host OS : Android, iOS,
Windows Desktop, Mac Desktop.
(MFi will be certified Q4 2015)

Memory and Storage
1MB for program memory
4MB for storage

Display
1.0inch OLED display (128 x 64 resolution)
Monochrome color

Wired Communications
USB 2.0 Client (Full Speed)

Wireless communication
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

Global Positioning System (GPS)
Stand-alone GPS : Ublox

Integrated Barcode Scanner (3 options)
1D Laser
1D CCD (screen barcode readable)
1D/2D Imager (screen barcode readable)

Near Field Communication (NFC)
13.56Mhz, HF RFID
Supports ISO14443A/B and Mifare
Reading range : within 40mm (1.57inch)

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

Key button
3 keys (1 scan key & 2 menu keys)

Accessories
Standard accessories: AC plug, AC/DC
charger, USB charging cable
(Battery is built-in the scanner set)
Optional accessories: Finger glove, Lanyard,
Silicon case

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

INDUSTRY

Retail

Public Transport

Health care

Entertainment

F&B