

# PM255

## COMFY YET ROBUST HANDHELD TERMINAL

### Adopting two most popular operating systems in the market

Traditional inside-4-wall market applications still require Microsoft Windows operating systems: PM255 adopt two most famous but latest one from Microsoft, which are Windows Embedded CE 6.0 Professional and Windows Embedded Handheld 6.5 Classic.

### Experience fast & stable wireless communication technologies

Wireless LAN supports IEEE 802.11 b/g/n that provides fast roaming (hand-over) among multiple routers and access points at various harsh environment. PM255 is a VoIP-ready unit with built-in microphone and speaker and you can use Bluetooth wireless headset in VoIP required application such as voice picking system.

### Enjoy fast barcode scanning to prevent errors and make job done easier

You can select either 1D laser scanner or 1D/2D imager scanner as built-in option. Laser scanner supports all sorts of standard 1D symbologies plus country-specific postal code with depth of field from 52mm to 457mm @ 100% UPC code. The 1D/2D imager has laser aimer for easy aiming and can read all standard 1D/2D barcode symbologies and GS1 Databar.

### The Most Ergonomic Design for Comfort and Scan Intensive Applications

The user-tested ergonomic design of the PM255 has rendered a lightweight and uncommonly well-balanced device that reduces stress and fatigue during extended work sessions.

### Robust & rugged spec keep your TCO low and minimizing down-time

The PM255 is designed from the ground up for rugged applications. With its IP65 water/-dust proof sealing (MIL-STD-810G), 1.8m (6 ft) repeated drops to concrete at all operating temperature range of unit.



### Compatible Utilities



Desktop-Lock

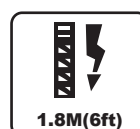
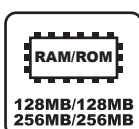


MobiControl



CETerm Industrial Browser and Terminal Emulator

PM255 is suitable for receiving, stock-taking, pricing, stock replenishment at shop floor as well as loading & unloading, items in/out/transfer, picking & packing at retail back floor. Plus depending on the working environment, in terms of vertical market, PM255 can be utilized at warehouse-es, logistics depot & distribution centers, manufacturing lines / factories and any asset tracking required environments. With affordable pricing PM255, you enjoy various features not only accurate barcode scanning but also fast roaming wireless LAN, VoIP supports with Bluetooth wireless headset, multiple function key for short-cut program access and robust & superior ergonomic design.



# PM255

## PHYSICAL CHARACTERISTICS

### Dimensions

With standard batt. 182mm L x 66.5mm W x 30.5mm D  
7.126in L x 2.62in W x 1.2 in D  
Gun handle length 140mm  
5.51in

### Weight

With standard batt. 293g / 10.34oz  
With extended batt. 318g / 11.02oz

### Display

2.8" (240 x 320 pixel) QVGA TFT-LCD  
65K colors, LED backlight, Touch Screen

### Power

Standard Battery 2,200mAh Li-ion rechargeable  
IEEE 1725 Compliant, removable  
Extended Battery 3,300mAh Li-ion rechargeable  
IEEE 1725 Compliant, removable

### Keypad

Numeric (29 key) including 4 function keys

### Audio Support

Supports VoIP  
Built-in microphone and speaker  
Wireless Bluetooth  
Headset support

### Standard Communications

Full speed USB 1.1 from either cradle or direct sync cable  
RS232 (115 Kbps) from cradle

### Notification

Front 2 x dual color LEDs for Power indication,  
Warning indication & scan reading  
Scan Alert Vibration

## PERFORMANCE CHARACTERISTICS

### Main-Processor

Marvel PXA300 @ 624MHz

### Operating System

Windows Embedded Handheld 6.5 Professional  
Windows Embedded CE 6.0 Professional

### Memory and Storage

RAM 128MB / 256MB  
ROM (NAND Flash) 128MB / 256MB  
Micro-SD Micro-SD card slot up to 32GB SDHC

## USER ENVIRONMENT

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

**Storage Temperature** -40°C to 70°C / -40°F to 158°F

**Humidity** 95% Non-condensing

**Drop** MIL-STD 810G for 1.8m(6ft)

**Rain / Dust Proof (Sealing)** IP65

**Tumble** 1,000cycle (2,000hits) at 1m/3.3ft

## DATA CAPTURE

### Integrated Barcode Reader

1D Laser Scanner All 1D standard symbology & Postal code  
2D Imager Scanner All 1D/2D standard symbology  
including GS1 Databar

## WIRELESS

### Wireless LAN

Radio IEEE 802.11 b/g/n  
Data Rates 1, 2, 5.5, 11, 6, 9, 12, 18, 24, 36, 48, 54 and  
72.2 Mbps  
Operating Channels 1 to 13 (2412MHz & 2472MHz)  
Regulatory Compliance As per IEEE 802.11n  
Antenna Internal  
Security WEP/WPA/WPA2 and more  
Authentication PEAP/MS-CHAPv2, EAP-TLS, CCX v4

### Wireless PAN

Bluetooth Integrated Bluetooth Class II,  
Ver. 2.0+EDR  
Channels 0 to 78 (2402-2480MHz)  
Data Rates 1, 2, 3Mbps  
Antenna Internal

## REGULATORY APPROVALS AND COMPLIANCE

Safety: EMC, UL, RF, Laser, LED approvals  
Radio: FCC, CE, CCC, KCC, ANATEL  
Environmental: RoHS & WEEE compliant

## ACCESSORIES

### Standard Accessories



AC/DC Power Adaptor



Standard Battery



Stylus Pen and Tether



Belt Clip



Hand Strap



LCD Protection Film

### Optional Accessories



USB Sync Cable



Single-Slot Cradle



Extended Battery



4-Slot Battery Charger



4-Slot Cradle



Single-Slot Ethernet Cradle