

PM250

POCKET-SIZED MOBILE COMPUTER

Marvell® PXA300 624MHz, Windows CE.NET

The New PM250 is the latest generation mobile computer device, combining a pocket-sized rugged form factor with the flexibility of Microsoft's CE .NET 5.0 operating system and Marvell® PXA300 624MHz processor. The PM250 is designed for retail, warehousing and logistics applications where maximum performance and durability is required in a compact handheld device.

The Most Advanced Ergonomic Design for Comfort and Scan Intensive Applications

The user-tested ergonomic design of the PM250 has rendered a light weight with remarkable balanced device that reduces stress and fatigue during extended work sessions. Its sculpted back case is shaped to comfortably accommodate any and size and ergonomic positioned side scan button on both sides gives the most comfort to use for eight right or left-handed users.

Comfort and Easy to Use with 25 Degree Tilted Scanning Direction

The PM250 has unique design concept for scan engine positioning the first time in the industry. The scan engine positioned with 25.5 degree for 1D and 48 degree for 2D tilted scanning angle to down side gives the users the maximum comfort and productivity for scanning. Its superior design concept helps to facilitate and increased workforce satisfaction inside the retail store, on the loading dock or on a delivery route.

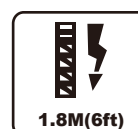
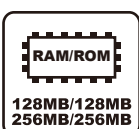
Outstanding Durability

The PM250 is designed from the ground up for rugged applications. With its IP64 sealing, 5 feet (1.5m) repeated drops to concrete, and wide operating temperature range the PM250 stands up to most any demanding application



Features

- ▶ Microsoft Windows CE 5.0, Windows Embedded Handheld 6.5
- ▶ Integrated 802.11 b/g WLAN radios
- ▶ 1.5m (5 ft.) drop resistance
- ▶ 2.8", TFT LCD, QVGA (240x320) color with touch screen
- ▶ Comfort and easy to use with 25.5 degree for 1D and 48 degree for 2D tilted scanning angle to down side
- ▶ Marvell PXA 300 624MHz
- ▶ 1D and 2D barcode scanning options
- ▶ IP64 protection class
- ▶ Ergonomic, compact and robust



PM250

PHYSICAL CHARACTERISTICS

Dimensions

With standard batt. 175mm L x 66mm W x 26.8mm D
6.88in L x 2.60in W x 1.06 in D

Weight

With standard batt. 250g / 8.8oz
With extended batt. 270g / 9.5oz

Display

2.8" (240 x 320 pixel) QVGA transmissive
TFT-LCD 65,536 (16 bit RGB) 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 (28 key) with backlight

Standard Communications

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

PERFORMANCE CHARACTERISTICS

Main-Processor

Marvel PXA300 @ 624MHz

Operating System

Windows Embedded Handheld 6.5 Professional
Windows Embedded CE 5.0 Professional

Memory and Storage

RAM 128MB / 256MB
ROM (NAND Flash) 128MB / 256MB
Micro-SD Micro-SD card slot up to 4GB SDHC

USER ENVIRONMENT

Operating Temperature -10°C to 60°C / 14°F to 140°F

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

Humidity 95% Non-condensing

Drop MIL-STD 810G for 1.5m(5ft)

Rain / Dust Proof (Sealing) IP64

Tumble 500cycle (1,000hits) at 1m/3.3ft

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

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 802.11b/g
Data Rates 11 Mbps / 54 Mbps
Antenna Internal
Security WIFI Certified for WPA/WPA2 operation
Authentication PEAP/MS-CHAPv2, EAP-TLS, CCX v4

Wireless PAN

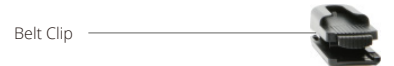
Bluetooth Integrated Bluetooth Class II,
Ver. 2.0+EDR
Channels 0 to 78 (2402-2480MHz)
Data Rates 1, 2, 3Mbps
Antenna Internal

REGULATORY APPROVALS AND COMPLIANCE

Safety: cULus Listed
EMC: Class B – FCC/ICES/EN
Radio: FCC w/HAC, CE2200
Environmental: EU Directives-WEEE, RoHS, Batteries &
Accumulators, Packaging & Water Packaging

ACCESSORIES

Standard Accessories



Optional Accessories

