

# PM250 Pocket-Sized Mobile Computer



**Robust** ➤

**Compact** ➤

**Lightweight** ➤

## General Description

### 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 lightweight and uncommonly well-balanced device that reduces stress and fatigue during extended work sessions. Its sculpted back case is shaped to comfortably accommodate any hand size and ergonomic positioned side scan button on both sides gives the most comfort to use for either right or left-handed users.

### Comfort and Easy to Use with 25 Degree Tilted Scanning Direction

The PM250 has an 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 help 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
- Marvell PXA300 624MHz
- Integrated 802.11 b/g WLAN radios
- Integrated Bluetooth v2.0 radio
- 1D and 2D bar code scanning options
- 1.5m (5 ft) drop resistance
- IP64 protection class
- 2.8", TFT LCD, QVGA (240x320) color with touch screen
- Ergonomic, compact and robust
- Comfort and easy to use with 25.5 degree for 1D and 48 degree for 2D tilted scanning angle to down side.

# PM250

## Specifications

### PHYSICAL CHARACTERISTICS

DIMENSIONS	175 x 66 x 26.8 mm / 6.88 x 2.60 x 1.06 in. at grip: 58 mm / 2.28 in. (W)
WEIGHT	250 g / 8.8oz (incl. battery pack)
DISPLAY	2.8 in. QVGA (240 x 320 pixels), 65K color TFT-LCD backlight, touch screen
EXPANSION SLOT	User accessible Micro SD Card up to 4GB with SDIO support

### PERFORMANCE

OPERATING SYSTEM	Windows CE 5.0 Professional
MICROPROCESSOR	Marvell® PXA300 624MHz
SYSTEM RAM MEMORY	128MB
SYSTEM ROM MEMORY	128MB

### WIRELESS DATA COMMUNICATIONS

WLAN	Dual Mode 802.11 b/g (11 Mbps/54 Mbps) with Internal Antenna
WPAN	Bluetooth Class II (10 m) v2.0 Enhanced Data Rate (EDR) with on-board antenna, BQB certified

### SERIAL COMMUNICATIONS

INTERFACES	Full speed USB 1.1 from cradle (or I/O cable): RS232 (115 Kbps) from cradle
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### POWER MANAGEMENT

POWER SUPPLY	Standard Battery: 3.7V, 2,200mAh Li-ion Extended Battery: 3.7V, 3,300mAh Li-ion (includes extended battery door)
ADAPTOR	5V 2A, 100/240V AC

### AUDIO & VIBRATOR

AUDIO	Built-in microphone and speaker, stereo headset jack
VIBRATOR	Built-in vibration motor

### INTEGRATED SCANNER

SCANNER	1D Laser or 2D Imager (optional)
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### USER ENVIRONMENT

OPERATING TEMPERATURE	-10°C ~ 60°C (14°F ~ 140°F)
STORAGE TEMPERATURE	-20°C ~ 70°C (-4°F ~ 158°F)
HUMIDITY	95% humidity non-condensing
DROP RESISTANCE	Withstand multiple 1.5 meters (5 ft) drops onto concrete
ENVIRONMENT SEALING	IP64 standard for water and dust resistance
ESD	+/-8kV contact; +/-15kV air

### STANDARD ACCESSORIES

Hand-strap, STD battery, Stylus pen  
Quick reference manual, AC Adaptor

## Accessories



Single Slot Cradle



4-Slot Battery Charger



High Capacity Battery Pack with Cover



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