

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 operating system and Marvell® PXA300 624MHz processor. The PM250 is ideal for retail, warehousing and logistics applications where maximum productivity 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



Technical Specifications

Physical characteristics

Dimension with battery
175 x 66 x 26.8 mm (6.88 x 2.60 x 1.06 in)
Weight: 250g (8.8oz) with standard battery
270g (9.5oz) with extended battery

Environmental

Operating Temperature
-10°C to 60°C (14°F to 140°F)
Storage Temperature
-20°C to 70°C (-4°F to 158°F)
Relative Humidity: Non-condensing, 95%
Rain & Dust Proof: IP64
Drop Specification: 1.5m (5 ft.) per MIL-STD 810G
Tumble Specification: 500cycle (1,000hit)
@ 1m (3.3ft) tumble
Electrostatic Discharge: +/- 15 kV air discharge
+/- 8 kV contact discharge

Power

Standard Battery Pack: 3.7V, 2,200mAh
Extended Battery Pack: 3.7V, 3,300mAh
IEEE 1725 Compliant, Li-Ion, removable,
rechargeable

Operating System

Windows Embedded CE 5.0 Professional
Windows Embedded Handheld 6.5
Micro-Processor
Marvel PXA300 @ 624 MHz

Memory and Storage

Memory: 128MB or 256MB
ROM: 128MB or 256MB Flash ROM
(Approx 90MB or 210MB Available for
user application)
Customer-accessible micro-SD slot for Removable
storage cards upto 4GB for both Win CE &
Win Handheld

Display

2.8 in, 240 x 320 pixel (QVGA) trans-missive
TFT-LCD display, 65,536 (16 bit RGB) colors
LED backlight, Touch Screen

Standard Communication

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

Wireless LAN

IEEE 802.11 b/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

Integrated Bluetooth Class II, Version 2.0+EDR
Operating channels: 0 to 78 (2402-2480 MHz)
Data Rates: 1, 2, 3 Mbps
Antenna: Internal

Keypad Options

Numeric (28 key) with backlit keys

Accessories

Standard accessories: AC/DC charger
with different country plug,
Stylus pen with tether, Hand strap, Belt clip,
Battery, LCD protection film
Optional accessories: Single-slot cradle,
Single Ethernet cradle, Four-slot cradle,
4 slot battery charger, Direct USB Sync cable

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

Standard accessories



Optional accessories



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