

# PM40

## IN-POCKET YET RIGID MOBILE COMPUTER

### Optimize mobility and Versatile on every type of working process

Small form factor with 2.8" screen and light weight 210g makes easy to carry and keep in the pocket and gives much less stress on wrist. You can choose either standard battery or extended battery with field replaceable feature in order to maximize full time work process and, thru built-in standard USB port, you can charge its battery at anytime and anywhere.

### Maximize power and speed with latest micro processor

Adopting latest Cortex A8 @ 1Ghz processor from TI (Texas Instrument), PM40 will give you maximum power and speed for your field workforces to conduct any complicated job process in the field. PM40 has 512MB RAM memory and 512MB Flash ROM which is enough to run a heavy embedded application with big storage for data base and user processing data.

### Experience fast & stable wireless communication technologies

3.9G WWAN HSPA+ supports up to 5.76Mbps @ uplink and 14.4Mbps @ downlink. GPS assisted by WWAN carriers provides you visibility of your workforce location fast and accurately. Wireless LAN supports IEEE 802.11 a/b/g/n with speed up to 72.2Mbps under both 2.4Ghz and 5Ghz frequency band.

### Enjoy fast barcode scanning and high resolution camera

You can select either a laser scanner or an imager scanner as built-in option. Laser scanner supports all standard 1D symbologies. The imager has laser aimer for easy aiming and can read all standard 1D/2D barcode symbologies and GS1 Databar. You can also have great benefit for reading poor-printed and damaged barcodes. Unbeatable 5.0 mega pixel camera provides high resolution picture and video to help you free from any possible disputes with customers due to damaged items at the site.












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

PM40 is designed from the ground up for rugged applications with IP65 water/dust proof sealing, 1.5m (5 ft) repeated drops to concrete, and wide operating temperature range the PM40 stands up to most any demanding application.

Your field sales and field services are the daily frontline of your valuable customers when you get order from your customers, deliver goods to your customers and do repair & maintenance at the field. Depending on how well perform their jobs accurately, efficiently and fast, it will direct impact your sales revenue and customer satisfaction to determine keeping your valuable customers or losing.

PM40 gives you the satisfaction at the point of both your budget and ease-to-carry. Despite powerful features such as 3.9G WWAN, wireless LAN, GPS, 5MP Camera and robust spec beyond market expectation, you can yet enjoy small form factor that can fit into your pocket and single-hand operation, which provides maximum benefit when your workforces need to carry items the other hand.



 Cortex 1Ghz	 512/512MB	WINDOWS MOBILE 6.5	 3G HSPA+	 802.11 a/b/g/n	 LASER
 IMAGER	 5M CAMERA	 BLUETOOTH	 Built-in-GPS	 IP65	 1.5M (5ft)

# Technical Specifications

## Physical characteristics

Dimensions: 135.5 x 67 x 25mm (5.3 x 2.6 x 0.9 in)  
Weight: 210g (7.4oz) with standard battery  
270g (9.5oz) with extended battery

## Environmental

Operating: -20°C to 60°C (-4°F to 140°F)  
Storage: -40°C to 70°C (-40°F to 158°F)  
Relative Humidity: Non-condensing, 95%  
Rain & Dust Proof: IP65  
Drop Specification: 1.5m (5 ft) per MIL-STD 810G  
Tumble Specification: 500cycle (1,000hit)  
@ 1m (3.3ft) tumble  
ESD: +/- 15 kV air discharge, +/- 8 kV contact discharge

## Power

Standard & Extended Battery : 1,650mAh / 3,300mAh  
IEEE 1725 Compliant, Li-Ion, removable, rechargeable

## Operating System

Windows Embedded Handheld 6.5 Professional

## Micro-Processor

TI - Cortex A8 Processor @ 1Ghz

## Memory and Storage

Memory: 512MB RAM  
ROM: 512MB NAND Flash ROM  
User-accessible micro-SD cards up to 32GB SDHC

## Display

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

## Standard Communications

Full speed USB 2.0 from either cradle or  
USB sync cable  
RS232 (115 Kbps) from cradle

## Integrated Camera

5.0 Megapixel fixed focus color camera with flash

## Keypad Options

Numeric (25 key) with backlight

## Wireless WWAN

UMTS Frequencies: 800, 900, 1900, 2100Mhz  
GSM/GPRS Frequencies: 850, 900, 1800, 1900Mhz  
Technology Class UMTS: 3.9G HSPA+  
Max speeds: Uplink-5.76 Mbps;Downlink-14.4 Mbps  
Antenna: Internal

## Wireless LAN

IEEE 802.11 a/b/g/n Data rates: 11, 54 and 72.2 Mbps  
Operating channels: 1 to 13 (2.4Ghz & 5Ghz)  
Regulatory compliance: As per IEEE 802.11n  
Security: WEP/WPA/WPA2 and more  
Authentication: PEAP/MS-CHAPv2, EAP-TLS

## Wireless PAN

Integrated Bluetooth Class II, Ver.2.1+EDR  
Operating channels: 0 to 78 (2402-2480 Mhz)  
Data Rates: 1, 2, 3 Mbps

## Accelerometer

Embedded accelerometer enables automatic or application-specific "screen rotation"

## Global Positioning System

12 channel integrated GPS: assisted via WAN carrier:  
Network independent; accuracy within 3m

## Ambient Light Sensor

Automatically adjust required display backlight to maximize battery life

## Integrated Barcode Scanner

1D Laser Scanner; supprting all 1D standard symbology & Postal code  
2D Imager Scanner: supporting all 1D/2D standard Symbology including GS1 Databar

## LED Indicator and Scan Alert

Indicator: 2 x dual color LEDs on front:  
1) Power, 2)Warning, 3)Scan reading  
Scan Alert:Vibration

## Audio Support

Supports VoIP, Built-in microphone and speaker, receiver and headset jack (3.5mm),  
Wireless Bluetooth headset support

## Accessories

Standard accessories: AC/DC power adaptor & country plug, Stylus pen & tether, Hand strap, Standard Battery, LCD protection film, USB sync cable  
Optional accessories: Single-slot cradle, 4-slot cradle, Vehicle charger, Vehicle mount, 4-slot battery charger

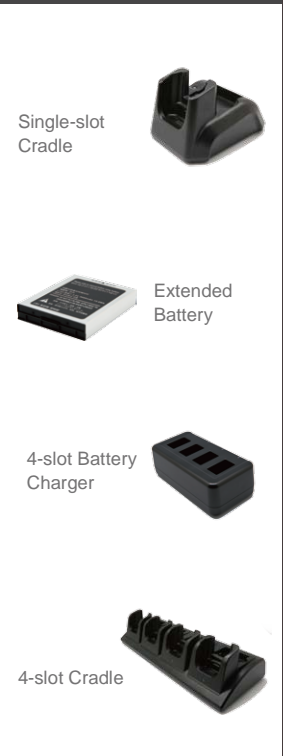
## Regulatory Approvals and Compliance

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

## Standard accessories



## Optional accessories



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