

# PM60

## ALL MIGHTY RUGGED MOBILE COMPUTER

### Optimize your workforce with maximum outdoor features

PM60 is perfectly designed for outside-4-wall applications with full VGA (480x640), daylight readable (600NIT) & wide viewing angle 3.5" TFT-LCD. Seamless screen will provide comfortable touch and drag with fingertips more than ever.

### Maximize power and speed with latest micro processor

Adopting the latest Cortex A8 @ 1Ghz processor from TI (Texas Instrument) and 512MB/1GB(RAM/ROM), PM60 will give you maximum power and speed for your field workforces to conduct any complicated job process in the field.

### Extend your business with two latest Operating System

Now you can choose either Windows Embedded Handheld 6.5 and Android 4.2 Jellybean. Now, Windows Embedded CE 6.0 is available for non-3G model. If you plan to switch your system from Windows to Android, without investing new Android device, you can simply switch Operating System easily.

### Experience fast & stable wireless communication

3.9G WWAN HSPA+ supports up to 5.76Mbps @ uplink and 14.4Mbps @ downlink. Built-in A-GPS provides you visibility of your workforce location fast and accurately. Wireless LAN supports IEEE 802.11 a/b/g/n supporting both 2.4Ghz and 5Ghz band.

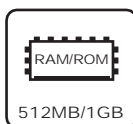
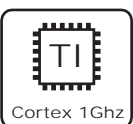
### Enjoy fast barcode scanning and high resolution camera

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

The PM60 is designed from the ground up for rugged applications. With its IP65 water/dust proof sealing per MIL-STD-810G, 1.8m (6 ft) repeated drops to concrete at all range of operating system, and wide operating temperature range the PM60 stands up to most any demanding application.

PM60 can be suitable for logistics & transportation, Direct store delivery, field meter reading, field service, police enforcement, professional services and any other outdoor applications at a variety of vertical markets, such as manufacturing, couriers & 3PL, retail, utility, government & public sector, construction, heavy industry, agriculture, insurance, health care and educational services.



### Compatible Utilities



# Technical Specifications

## Physical characteristics

Dimensions: 156.9x75.6x25.8mm (6.1x2.9x1.1 in)  
Weight: 340g (11.9oz) with 4,000mAh 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 Spec: 1.8m (6 ft) per MIL-STD 810G  
Tumble Spec: 500cycle (1,000hit) @ 1m (3.3ft)  
ESD: +/- 15 kV air, +/- 8 kV contact

## Power

Standard Battery: 4,000mAh Li-ion (14.8Wh)  
rechargeable, IEEE 1725 Compliant

## Operating System

Windows Embedded Handheld 6.5 Professional  
Windows Embedded CE 6.0 Professional  
Google Android 4.2.2 Jellybean

## Micro-Processor

TI - Cortex A8 Processor @ 1Ghz

## Memory and Storage

Memory: 512MB RAM  
ROM: 1GB NAND Flash ROM  
User-accessible micro-SD cards up to 32GB SDHC

## Display

3.5 in, 480 x 640 pixel (VGA) TFT-LCD,  
backlight (600NITs), Daylight readable,  
Wide viewing angle, Resistive touch

## Standard Communications

Full speed USB 2.0 from either cradle or  
USB sync cable

## Integrated Camera

5.0 MP Auto focus camera with LED Flash

## Keypad Options

Numeric (27 key) or QWERTY (45 Key) with backlight

## Wireless WAN

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: up to 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

## Global Positioning System

12 channel integrated GPS: assisted via WAN carrier:  
accuracy within 3m, Stand-alone GPS available

## NFC (Near Field Communication)

13.56Mhz HF RFID & NFC  
Supported Tag-Ics : MIFARE® 1k/4k/Plus,  
MIFARE UltraLight, MIFARE UltraLight C,  
MIFARE DESFire, MIFARE DESFireEV1,  
ISO 14443 A & B

## Accelerometer

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

## 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, Battery,  
LCD protection film, USB sync cable.  
Optional accessories: Single-slot cradle,  
Single-slot ethernet cradle, 4-slot Cradle,  
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



## Freewill - Mars Tohken Company Limited.

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