

# Specification

## Physical Characteristics

|                             |  |
|-----------------------------|--|
| DIMENSION<br>(W x H x D mm) | 78.6 x 166.2 x 24.9 / 3.0 x 6.5 x 0.9 inch |
|                             | 78.6 x 165.5 x 40.2 (with HF reader)       |
|                             | 78.6 x 165.5 x 39.8 (with UHF reader)      |
| WEIGHT                      | 332 g / 11.7 oz. (including battery)       |
|                             | 362 g (with HF) / 389 g (with UHF)         |
| DISPLAY                     | 3.5" QVGA / VGA TFT LCD, 240X320 pixels    |
| BATTERY                     | Li-Ion, 3.7 V, 3,300mA                     |

\* VGA is available from 2Q, 2012.

## Performance Characteristics

|                   |                           |                               |
|-------------------|---------------------------|-------------------------------|
| MULTI - PROCESSOR | CPU                       | Marvell Xscale PXA-320 806MHz |
|                   | Radio                     | ARM9 series                   |
| OS                | Windows Mobile 6.5        |                               |
| MEMORY            | RAM                       | 256 MB                        |
|                   | ROM                       | 1 GB                          |
|                   | Card Slot                 | Micro SD, up to 32 GB         |
| INTERFACE         | USB Host 1.1 / Client 1.1 |                               |

## User Environment

|             |                    |                              |
|-------------|--------------------|------------------------------|
| TEMPERATURE | Operating          | -20 to 60 °C / -4 to 140 °F  |
|             | Storing            | -30 to 70 °C / -22 to 158 °F |
| HUMIDITY    | 93% non-condensing |                              |
| DROP TEST   | 1.5 m / 5 ft.      |                              |
| IP RATING   | IP67               |                              |

\* Visit [www.m3mobile.net](http://www.m3mobile.net) for more information.

\* The contents of this brochure were written based on the "current state" of the product, and the details are subject to change without the prior notice.

## Basic Accessories



## Wireless Radio Options

|           |  |                                   |
|-----------|--|-----------------------------------|
| WWAN      | 2G Network   | GSM (850/900/1800/1900 MHz)       |
|           | 3G Network   | HSDPA (850/1900/2100 MHz)         |
| WLAN      | IEEE 802.11 a/b/g  |                                   |
| SECURITY  | WEP, WPA, WPA2, TKIP, AES, EAP-FAST, EAP-TLS, EAP-TTLS, PEAP-GTC, PEAP-TLS, PEAP-MSCHAPv2, LEAP, CCXv4 |                                   |
| BLUETOOTH | Class II, v2.0   |                                   |
| RFID      | HF   | 13.56 MHz                         |
|           | Tags   | ISO 1443 A / B, ISO 15693, I-Code |
|           | UHF  | 868-956 MHz                       |
|           | Tags   | EPC C1 G2                         |
| GPS       | AGPS   |                                   |

## General Options

|         |          |               |
|---------|----------|---------------|
| SCANNER | 1D, 2D   |               |
| CAMERA  | 3.0 M AF |               |
| KEYPAD  | 31 key   | Alpha-Numeric |
|         | 50 key   | QWERTY        |

## Certifications



BR-M3 ORANGE-2012-V1.8-EN  
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# M3 ORANGE

## Fully Rugged Industrial PDA

PXA-320 806MHz  
Windows Mobile 6.5  
1D / 2D Scanner  
3.0M Pixels Auto Focus Camera  
Integrated 13.56MHz RFID Reader  
Bluetooth Class II, v2.0 with EDR  
HSDPA / EDGE / GPRS / GSM  
WLAN IEEE 802.11 a/b/g  
IP67 Sealing 1.5M Drop  
Smart Battery



Distributed by



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# M3 ORANGE

M3 ORANGE boasts enhanced hardware and updated OS. The latest version of operating system, Windows Mobile 6.5, is applied so you can meet totally different and new feature. Its design has also been evolved to give more refined and compact look by applying antenna and black finish. Furthermore, front panel scan button in both Alpha-Numeric and QWERTY keypads, and battery endurance for tough environment upgrades your work efficiency and satisfaction as well.



## Extra Accessories

Extra Accessories specifically designed for M3 ORANGE enhances the PDA's functionality and broaden its applicable area. Its wide range of extra accessories will make M3 ORANGE to be suitable virtually in any environment.



<Single Slot Ethernet Cradle>

<Vehicle Cradle>

### Cradles

M3 ORANGE has various types of cradle for charging and DataSync. Besides the basic Single Slot Cradle, Single Slot Ethernet Cradle can be used for Ethernet and Vehicle Cradle is for charging M3 ORANGE device in the car. And GPS function can also be used while charging the device through the optional GPS.

### Pistol Grip

Optional pistol grip is for scan-intensive environments. This handy equipment will improve your ergonomics and increase your satisfaction.



### Snap-on

Snap-on provides almost the same functions of cradle but is optimized for using field environment.



### Etc

There are other accessories; Charging Holster and Leather Case for M3 ORANGE. Charging holster is a portable battery charger which is best solution for field service area. To be handy for carrying and protect M3 ORANGE from any circumstances, a leather case will be a good solution. Users can choose belt type or strap type with this optional accessory.



<Charging Holster>

<Leather Case>

\* Accessory's manual can be downloaded from M3 Mobile's webpage [www.m3mobile.net](http://www.m3mobile.net)

## Features & Benefits



### Windows Mobile 6.5

Windows Mobile 6.5 operating system provides new today screen and faster speed of response time of touch screen. Also, its scrolling display is very finger-friendly to use work applications.



### Marvell PXA-320 806MHz

Powerful CPU speed with "High-Tier" guarantees faster graphic process and memory access.



### IP 67 Sealing, 1.5m Drop

(Ingress Protection, Drop to steel surface)

M3 ORANGE is suitable to use in a tough environment; withstands drop from 1.5m and protects against dust and water.



### 1D / 2D / RFID

Superior scanner / RFID application provides real-time data capture and automatic data processing so that you can expect flexibility of work and cost-efficiency.



### 3.0M Pixels AF Camera

High resolution and auto focused functionality capture clear images of product and/or documentation.



### Multi-function QWERTY Keypad

Multi functional keys of QWERTY keypad are designed for versatile performance. As hot keys, these are going to make the direct access be possible and increase users' working speed.



### Battery

(Li-Ion 3.7V 3,300mA)

M3 ORANGE's smart battery provides accurate remaining battery capacity so that the user can efficiently plan the usage of the PDA. Also, its large capacity is suitable for long time shifts.



### Multi-mode Radio

(802.11 a/b/g, Bluetooth)

Wireless data transmission through Summit WLAN and Bluetooth make your business easier and more comfortable.

## Applicable Area



<Logistics>



<Manufacturing>



<Construction>



<Distribution>

M3 ORANGE, like other M3 Mobile products, can be used at warehouse management, logistics, government branches, asset management and so on. With its enhanced hardware and upgraded operating system, M3 ORANGE meets users' needs well and that make it possible to apply to various work environments.