

# M3+

An optimized  
rugged PDA



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# M3+

**An optimized rugged PDA**

## The multi utility PDA

The M3+ is a super slim rugged PDA that features numerous advanced applications such as integrated barcode scanner, bluetooth and camera. M3+'s rugged design and IP64-rated sealing ensures protection against dust, moisture and extreme temperatures, from freezy  $-20^{\circ}\text{C}$  up to hot  $50^{\circ}\text{C}$ .

The M3+ can handle drops of 1.5 m to concrete across vast temperature ranges, reducing equipment and maintenance costs.

This small and lightweight PDA features advanced data capture options. With GSM/EDGE the M3+ offers flexible voice and data communication. M3+ has got integrated Bluetooth and 802.11b/g wireless, which makes it easy to exchange data and synchronize with other devices.

The M3+ runs on user-friendly WinCE.NET 5.0 for operating system with a powerful Intel X-scale PXA 270 520MHz processor, a 128 MB SDRAM and a 64 MB Flash storage, expandable to 256 MB. The M3+'s internal mini-SD slot enables an extra storage.

An integrated high quality laser scanner can easily read all common barcodes. The colour display is a touch screen and the ergonomic keypad is easy to use in tough environments, even with only one hand. To enhance the mobility, M3+ provides an attachable/detachable slim battery. A table cradle charges the M3+ plus extra battery and can also communicate through USB host/slave.

The built in smart card reader in M3+ eTicket supports various ISO 14443 type A/B RFID devices, including the entire MIFARE family. The contactless electronic link between the card and the reader allows for a very fast interface that is needed in security and payment systems i. e Automatic Fare Collection systems (AFC) within public transport.

M3+ is the perfect handheld device for companies working in businesses such as logistics, distribution and transportation. It is also suitable for areas like meter data collection, vehicle identification and illegal parking and traffic management.



### Size

Length: 160 mm, Width: 79 mm, Height: 24 mm

### Weight

M3+: 250 g including battery

M3+ eTicket: 350 g including battery

### Technical data

Protection class: IP 64

Drop: 26 fall from 1,5 m on concrete

Storage temperature:  $-20^{\circ}\text{C}$  till  $+50^{\circ}\text{C}$

Operating temperature:  $-20^{\circ}\text{C}$  till  $+50^{\circ}\text{C}$

Humidity resistance: 5-95% non condensation

### Processor/memory

Intel PXA 270 X-Scale CPU, 520 MHz, 128 MB SDRAM

Onboard Flash: 64-256 MBytes

### Display

1/4 VGA, 240 x 320 Pixel, colour TFT display

with touch-screen and front light

### Battery

Rechargeable 2.000 mAh Lithium Polymer battery

### Operating system

Microsoft CE.NET 5.0

### Connections

1 x Mini-SD memory card slot

1 x USB host/slave serial port on desktop cradle

1 x headset port

1 x power port

### Communication

Integrated Bluetooth

Integrated WLAN 802.11b/g

Integrated GSM/EDGE, works as a phone

Integrated speaker and microphone

### Barcode

Integrated 1D/2D (PDF417 only) laserscanner

### RFID, 13.56 MHz

Supported Standard: ISO 14443 A&B

Smart Card Standard: ISO 14443A, ISO 14443B, ISO 15693, ISO 18000-3, iCODE

### Camera

1,3 mega pixels

### Keyboard

Full numerical keyboard, 4 navigation keys, 7 function keys

### Cradles

Desktop cradle with USB host/slave port

4 Slot cradle with Ethernet port

Car cradle: 9-30V charging, optional with GPS module

### Accessories

Carrying case, GPS, RFID, memory cards, ...

## Application

The M3+ is a lightweight and extremely rugged PDA that is used for logistics, for sales-management, for picking in the storage, for stock-taking, etc. The operating system MS Windows CE.NET is freely programmable. The M3+ features integrated Bluetooth, WLAN 802.11b/g and GSM/EDGE. A 13.56 MHz RFID smart card reader is integrated in the M3+ eTicket. With the M3+ you're mobile and available everywhere.

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