

# MDA5

## RUGGED PDA MEDICAL COMPUTING SOLUTION

The only PDA for Embedded Medical Technology



**Integrate 3rd  
Party Medical  
Technology**

Built-in PCMCIA slot for data acquisition or signal conditioning card

Optional slot for our partner's unique technology

Integration with third party technology for medical system solution



[www.amrel.com](http://www.amrel.com)



REAR AND BOTTOM VIEW



TOP VIEW



FUNCTION BUTTONS



LEFT SIDE VIEW



BOTTOM VIEW



REAR SIDE VIEW OF CRADLE

## PRODUCT SPECIFICATIONS

### System Unit MDA5

Operating System Microsoft Windows Mobile 5.0 or WinCE.NET 5.0  
 CPU Intel Bulverde PXA270 624MHz  
 Nvidia4800  
 RAM 128MB SDRAM/128MB Flash  
 Display 4" (480x640) sunlight readable transfective TFT LCD Touchscreen and stylus  
 Built-in speaker and microphone  
 Hand strap for gripping  
 Magnesium case

### External Ports

2 x USB (1 x host standard connector, 1 x mini-client connector)  
 1 x Serial (DB9 RS-232)  
 1 x PCMCIA (type II, Compact flash slot available via optional PCMCIA-to-CF adapter)  
 1 x SDIO  
 1 x External microphone/earphone jack  
 1 x DC jack  
 1 x Docking  
 1 x USB 2.0

### Indicators

GSM/GPRS (Green), Battery Charge (Amber), Bluetooth/WLAN (Blue)

### Safety

CE, FCC, 60601 & MIL-STD 461E Compliant

### Buttons & Switches

**Front:**  
 Standby ON/OFF, Wireless ON/OFF, Navigation 5 directions scrollbutton, 4 user-programmable function keys  
**Rear:**  
 Software reset (by pen touch).

### Battery

**External:**  
 Primary battery Lithium-Ion 3.7V 3900 mAH rechargeable smart battery, user swappable

### Internal:

Backup battery Lithium-Polymer 100mAH to sustain data while swapping primary battery (battery soldered on MB)

### Environmental

#### Compliant to MIL-STD 810F:

Altitude, high/low temperature, humidity, salt fog, vibration, shock, explosive atmospheric test.

**IEC IP65:** Dust proof; water jets at 2.5 - 3 meters from all sides onto the unit.

### Dimensions

90mm (W 3.5") x 150mm (H 5.9") x 33mm (D 1.3")

### Weight

450g approximately (.926 lbs.)

### AC Adapter

AC 110V/220V 50/60Hz +/-10% input, DC 10V/3.5A output  
 Built in vehicle adapter 10-32V  
 Dust/water resistant lock type DC plug

## OPTIONAL

### Spare battery

3.7V 3900mAH Lithium-Ion rechargeable smart battery (identical to primary battery and directly replaceable) or double capacity 7800mAH battery (double thickness of standard).

### Cradle

Ports:  
 2x USB, 1 x Host, 1 x Mini-client  
 2 x Serial, LAN port, DC Jack  
 1 slot for spare battery charge  
 Built-in vehicle adapter

### Dimensions:

140mm (W 5.5") x 170mm (H 6.7")  
 x 112mm (D 4.4")

**Weight:** 470g (1lb.)

### Internal cards/modules

WLAN 802.11b, g series devices  
 GSM/GPRS/EDGE (850/900/1800/1900)  
 Bluetooth 2.0 module  
 GPS (Global Position System)

### External cards/modules

SD memory card  
 CF memory card (via PCMCIA-to-CF adapter)  
 Digital camera (via external CF slot adapted from PCMCIA) or SD slot  
 Smart card reader (PCMCIA interface)



\* PLEASE NOTE: Specifications subject to change without notification.

As an ENERGY STAR® Partner, AMREL has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

Approval: FCC: Part 15, Class B Safety: UL, CSA, TUV, CE marking

