



# PA520MCA

## Mobile Clinical Assistant

PA520MCA is an ideal Mobile Clinical Assistant (MCA) specially designed for nursing care in hospitals and healthcare institutes. Featuring a comprehensive wireless platform that includes integrated WiFi and Bluetooth communication, making it quick and easy to stay connected.

This user-friendly handheld computer is designed to empower the mobile workforce for daily jobs in healthcare applications. Equipped with an integrated 2D imager, RFID reader and Windows embedded handheld 6.5 operating system all in a compact and durable form factor. The versatile device provides field-based healthcare givers an ideal data collection tool to serve properly for multiple needs in healthcare environments. Weighing just 220g, this compact size and lightweight handheld MCA device is not only ease-of-use by nurses and pharmacists but also small enough to fit in the shirt pocket.

### An ideal tool for healthcare givers

The PA520MCA is designed to fit perfectly into the hand of user. A 3.5" full QVGA touch screen enables the operator to view clearly and an ergonomic alphanumeric keypad makes data entry simply. The anti-microbial housing makes sure this device specially to be used friendly in healthcare environments following high hygienic regulations.

By using this ergonomic device, the healthcare givers may double check patient identification and prescription orders through bar code and /or RFID tag technology so to ensure correct medication, dosage, and patient identification before medicines are administrated to patients. PA520MCA is truly an excellent tool offers extension of mobility to significantly improve job efficiency and patient safety for seamless Point of Care.

### Main features

- Anti-microbial housing
- Lightweight, slim and pocket size form factor
- Fingers operated 3.5" flat-face Capacitive Multi-Touch screen
- 1D/2D Imager / RFID HF and NFC, the best choice for healthcare
- Powerful CCX4 certified WLAN 802.11 a/b/g/n radio provides good roaming capability for real time communication





# V1 PA520MCA

## Specifications

### Operation System

|                   |  |
|-------------------|--|
| CPU               | TI AM3703 800MHz   |
| Memory            | 512MB Mobile DDR RAM<br>512MB NAND Flash                                       |
| OS                | Microsoft Windows Handheld 6.5 Classic   |
| Languages support | English, Simp. Chinese, Traditional Chinese, Japanese, Spanish, German, French |

### Display

3.5" flat-face Capacitive Multi-Touch screen Transmissive TFT LCD  
QVGA 240x320. VGA 480x640 on request.

### Keypad

22-key Numeric Keypad and 2 sides scanner trigger keys

### Indicator

Two LED for charging and scanning

### Symbologies

2D Imager

#### 1D codes

Australian Post, British Post, Codabar, Coupon Code, Code 11, Code 32, Code 128, Code 39, Code 93, Dutch, EAN13, EAN8, IATA 2 of 5, ISBT, Japanese Post, Kix code(nl), Matrix 2 of 5, MSI, Planet Code, Postnet, RSS14 expanded, RSS14 Limited, RSS14, UPC A, UPC E, UPC E1, GS1-128 (UCC/EAN-128), Standard ZOF5(Discrete ZOF5), Trioptic.

#### 2D codes

Aztec, Datamatrix, Maxicode, Micro PDF417, PDF417, QR Code, Composite CC-A/B, Composite CC-C, GS1-128 (UCC/EAN), TCL39, UPC Composite Mode.

### RFID/HR Reader

|              |   |
|--------------|---|
| Frequency:   | 13.56MHz                                      |
| Tag Support: | ISO15693, ISO14443A, ISO14443B<br>Support NFC |

### Audio

1W speaker 85 dB at 10cm

### Communication

|                  |   |
|------------------|---|
| External storage | Support MicroSD memory card up to 32GB  |
| USB              | USB 2.0 Client and Host   |
| WLAN             | IEEE 802.11 a/b/g/n Summit Radio with Cisco Compatible Extensions (CCX) Version 4 certification |
| Bluetooth        | Bluetooth 2.1 + EDR   |

### Power Source

|                         |  |
|-------------------------|--|
| Main Battery            | 8.9 Watt-Hour 3.7V @ 2400mAh<br>battery pack |
| Backup Battery capacity | Max. 2 hours                                 |

### Expansion Slot

|         |   |
|---------|---|
| MicroSD | microSD slot with SDHC Support (up to 32GB) |
|---------|---|

### Enclosure

|           |                           |
|-----------|---------------------------|
| Weight    | 220g (with battery)       |
| Dimension | 125.9mm x 25.0mm x 76.0mm |

### Environmental

|                       |                               |
|-----------------------|-------------------------------|
| Operating temperature | 32°F to 122°F (0°C to 50°C)   |
| Storage temperature   | -4°F to 140°F (-20°C to 60°C) |
| Charging Temperature  | 32°F to 104°F (0°C to 40°C)   |
| Relative Humidity     | 5% ~ 95% ( non-condensing )   |
| Drop test to Concrete | 1.0 meter                     |
| Environmental Sealing | IP42                          |

### Software

|                   |  |
|-------------------|--|
| Mobile SIP (VoIP) |  |
| Auto Installer    |  |
| Unitech 12Manage  |  |

### 12Manage & 12Solutions

In-house developed software to enhance device deployment and remote management. 12[want:to]Solutions including 12Manage improve system reliability, reduce service costs and ensure systems running smoothly.

**More info: [12manage.unitech.eu](http://12manage.unitech.eu) or [portal.unitech.eu](http://portal.unitech.eu).**



### Accessories

- Single Slot USB Cradle
- Battery
- USB communication and charging cable
- Power adaptor with universal plugs
- And many more

### Regulatory Approvals

CE, NCC, FCC, BSMI, VCCI, CCC, RoHS compliance



### Unitcare's service program

UnitCare offers customers a high level of security by a reliable, high-quality and effective program for getting your devices serviced quickly. It also drives the hidden costs out of your installations. UnitCare goes beyond the standard warranty with a complete service offer for different need. **More information: [unitcare.unitech.eu](http://unitcare.unitech.eu).**

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