

PA600 Mobile Clinical Assistant



PA600 Mobile Clinical Assistant – RFID Reader for Multiple ISO Standards

The Unitech PA600 Mobile Clinical Assistant (MCA) is a compact and rugged mobile computer with an integrated 13.56MHz High Frequency RFID reader. The PA600 MCA innovatively supports ISO15693, ISO14443A and ISO14443B standards in a single device, making it ideal for a range of RFID applications.

Supports a Range of Applications

Traditionally RFID devices would only support one ISO standard, requiring a different device for each application, but now, this one device does it all, supporting multiple applications in the same organization and across a range of markets.

Enhance patient security by reading RFID cards to verify nurse and patient identity and record the administration of drugs. The PA600 MCA can also perform ticket inspection for transportation applications. Or used by museum visitors to read tags containing information about exhibits.

There is a growing demand in today's healthcare environment to implement RFID technology for improved point-of-care accuracy, efficiency and overall patient safety. For example, patients in the hospital would have an identification bracelet with an RFID tag and 2D bar code to ensure all medical procedures, such as blood draw and medication distribution, are treated to the correct person. The Unitech PA600 MCA is specifically designed for these applications with its antimicrobial enclosure and integrated RFID/2D bar code readers.

Seamless RFID Integration

Supporting Oracle Database Lite and Microsoft BizTalk Server 2006, the PA600 MCA allows end users to synchronize RFID data with existing business systems and databases. Support for Wavelink Avalanche enables easier management of wireless devices, decreasing cost and time of deployment.

Lightweight, Ergonomic Design

The PA600 MCA weighs just 11 ounces and is small enough to fit into your shirt pocket. But don't let its size fool you - with a 520MHz processor and an IP64 rating, the PA600 MCA is a powerful industrial device.

The PA600 MCA features an ergonomic design to ensure easy operation and user comfort. A full QVGA touchscreen enables the operator to view more information about the RFID tags that have been read and a compact alphanumeric keypad makes data entry simple.

Tough Enough for All Environments

The rugged design of the PA600 MCA ensures performance under harsh environments. Thanks to its IP64 rating, the PA600 MCA is resistant to dust and moisture. Its robust build is able to withstand multiple 4ft drops to concrete without risk of damage. Thus minimizing device downtime, reducing repair costs and delivering a much lower total cost of ownership.

Main Features

- Supports three ISO standards in one device: ISO15693, ISO14443A, ISO14443B
- Windows Mobile 5.0 or Windows CE 5.0
- Integrated HF RFID reader, keypad and touch screen, or 2D bar code scanner
- Built-in Bluetooth and WLAN
- IP64 rated
- SDIO expansion slot
- Full range of accessories and chargers
- Supports Oracle Database Lite, Microsoft BizTalk Server 2006 and Wavelink Avalanche

System

CPU 520MHz Intel PXA270 Processor
 Memory Flash ROM: 320MB
 OS Microsoft Windows CE 5.0

Display

240 x 320 QVGA, Color Transflective TFT, with touch screen & backlight

Keypad

18-key, including numeric key, alpha key and function key

Input Devices

HF RFID Reader, Keypad, Touch Screen, and Full Alphanumeric Software Keyboard, 2D Bar Code Scanner

RFID Reader

Frequency: 13.56MHz
 Tag Support: ISO15693, ISO14443A, ISO14443B

Indicator

LED

Communication

USB Host & Client
 802.11b/g
 Bluetooth (Supports Printer, Modem and ActiveSync)

Audio

MIC
 Speaker
 Headset Connector
 Receiver

Expansion Slot

SDIO Slot

Power Source

Main Battery 3.7V 2200mAh Li-ion battery
 Backup Battery Rechargeable Ni-MH backup battery

Environmental

Operating temperature -10 °C to 50 °C
 Storage temperature -20 °C to 60 °C
 Relative Humidity 5% ~ 95%(non-condensing)
 Drop test to Concrete 4 feet
 Environmental Sealing IP64
 Antimicrobial casting/protection (PA600L)
 Weight 315g with battery
 Dimension 114.5 X 83.5 X 18.5mm

Software

Unitech Software Development Kit
 Oracle Database Lite
 Wavelink Avalanche
 Microsoft BizTalk Server 2006 R2

Accessories

4 Slot Multi-Bay Cradle Battery Charger
 Desktop Cradle Extended Battery
 Holster Vehicle Quick Charging Cable
 Vehicle Dock

Regulatory Approvals

CE, FCC, BSMI, VCCI, CCC, RoHS compliant



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