



PA600

Mobile Clinical Assistant

Challenges

In today's medical environment, mistakes can and do occur on a frequent basis. It is challenging for caregivers to properly administer and record every step without error. Many of these errors revolve around the task of properly verifying and matching prescription orders and dosages issued by the doctor to the actual drugs and dose being administered. This can lead to devastating effects and repercussions.

Solution

Unitech and their Partners have developed the PA600 Mobile Clinical Assistant (MCA) for Nursing Information Systems, an extension to the current Mobile Cart Solution. The MCA provides added mobility for seamless point of care and, as a result, improves patient safety. The solution allows caregivers to confirm medicine administration and patient identification through barcode and RFID technology. Before medication is administered to a patient, the caregiver confirms the correct medication, dosage, and patient information all on the PA600 MCA. Patient data is then immediately updated wirelessly to the database. This not only reduces a hospital's heavy workload, but more importantly ensures 100% accuracy in data collection.

Lightweight, Ergonomic Design

The PA600 MCA is small enough to fit in your shirt pocket, weighing just 11 ounces. But don't let its size fool you – with a 624MHz processor and 576 MB of Flash ROM, the PA600 MCA is a powerful device.

Designed to fit comfortably in the user's hand, the MCA's alphanumeric keypad makes data entry simple and the large 3.5" color touchscreen enables the operator to easily view more information.

Tough Enough for all Environments

The PA600 MCA's rugged design won't let you down either. Its IP64 rating makes it extremely resistant to moisture and dust, and its robust build is able to withstand multiple 4-foot drops to concrete without damage. This minimizes downtime, reduces repair costs and delivers a low overall Total Cost of Ownership.

Main Features

- Antimicrobial / Disinfectant ready
- Integrated HF RFID reader, 2D barcode scanner, keypad and touch screen
- Supports three ISO standards: ISO15693, ISO14443A, ISO14443B
- Windows Mobile 6.1 Classic
- CCX4-certified WLAN radio
- IP64 rated
- SDIO expansion slot
- Full range of accessories and chargers

PA600 MCA

Specifications

• System Features

CPU	624MHz Marvell PXA270 Processor
Operating System	Windows Mobile 6.1 Classic
Memory	SD RAM: 128MB Flash ROM: 576MB

• Display

3.5" QVGA transfective LCD; 240 x 320 QVGA;
touch screen and backlight

• Keypad

20 keys, including numeric, alpha and function keys

• Interface

USB 1.1	Host and client
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• Indicator

LED; vibrator

• Barcode Scanner

2D imager scanner (reads all common 1D and 2D barcode symbologies)

• RFID Reader

Frequency	13.56MHz
Tag Support	ISO15693, ISO14443A, ISO14443B

• Audio

Microphone; Speaker; Headset Minijack; Receiver

• Wireless Communication

WPAN	Bluetooth (supports printers, modems, ActiveSync)
WLAN	IEEE 802.11b/g (CCX4 certified)

• Wireless Security

WPA2 (Personal or Enterprise); WEP (64 or 128 bit); 802.1x; EAP-TLS;
EAP-FAST (TLS); PEAP (MS-CHAP v2 or EAP-GTC); AES; LEAP; TKIP;
TLS; CCXv4 certified

• Expansion Slot

SDIO (supports SDHC)

• Power Source

Main Battery	2200mAh @ 3.7V / 8.14 Watt-Hour
Extended Battery	3300mAh @ 3.7V / 12.21 Watt-Hour
Backup Battery	Rechargeable Ni-MH backup battery

• Enclosure

Weight	10.9 ounces
Dimensions	5.9" L x 3.3" W x 1.4" D

• Environmental

Operating Temperature	14°F to 122°F (-10°C to 50°C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)
Relative Humidity	5% to 95% (non-condensing)
Drop Threshold	4 feet
Environmental Seal	IP64
Antimicrobial	Reference US Pharmacopeia 26 NF 21 Microbiological Tests (51) Antimicrobial Effectiveness Testing
Disinfectant	Safe for cleaning agents made of less than 75% alcohol. The use of bleach will weaken the unit housing and is not recommended.

• Software

Unitech Software Development Kit
Unitech Software Utilities
Unitech Mobile SIP

• Accessories

Battery charger (4-slot)
Ethernet cradle (4-slot)
Desktop cradle
Holster
Extended battery

• Regulatory Approvals

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



Unitech America

Los Angeles, Houston
<http://us.ute.com> e-mail: info@us.ute.com
<http://can.ute.com> info@can.ute.com
 Mexico
<http://latin.ute.com> e-mail: info@latin.ute.com