PA600
Mobile Clinical Assistant

Challenges

The truth in today's medical environment is that mistakes can and do occur on a frequent basis. Errors lead to the exact opposite of the desired outcome for caregivers and their patients. It is always challenging for caregivers to properly administer and record every step of the care process without error and 100% of the time. Many of the critical errors made by caregivers revolve around their ability to properly verify prescription orders issued by the Doctor to the actual drugs being administered. The difference between 10mg and 10g is significant. In addition to the proper dosage of the proper drug, the caregivers can mistakenly administer the wrong prescription order to the wrong patient. This can have devastating and irreversible repercussions.

Solution

Unitech and their Solution Partners have developed a Mobile Clinical Assistant (MCA) Solution for Nursing Information Systems. This MCA Solution is an extension of current Mobile Cart Solutions used by many caregivers. The added mobility provides caregivers better opportunity and ease-of-use for seamless point of care to improvements in patient safety. The solution now allows caregivers to confirm prescription orders and patient identification through bar code and/or RFID tag technology. Before medicines are administered to a patient, the caregiver double confirms correct medication, dosage, and patent information by using the Unitech MCA device. Patient data is update wirelessly to a HIS database immediately. This not only reduces nursing staff work loading, but also, and most importantly, ensures 100% accuracy in information recording.

Lightweight, Ergonomic Design

The PA600 MCA is small enough to fit into your shirt pocket, weighting just 310g. But don't let its size fool you - with a 624MHz processor and an IP64 rating the PA600 MCA is a powerful industrial device but also medical.

The PA600 MCA's rounded shape is designed to fit perfectly into the hand of the user. A full QVGA screen touchscreen enables the operator to view more information about the RFID tags that have been read and an ergonomic alphanumeric keypad makes data entry simple.

Tough Enough for All Environments

The rugged design of the PA600 MCA won't let you down. 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. This minimises device downtime, reduces repair costs and delivers a much lower Total Cost of Ownership.

Main Features

- Anti-microbial
- Integrated HF RFID Reader, Keypad and touch screen, or 2D Bar Code Scanner
- Supports three ISO standards in one device: ISO15693, ISO14443A, ISO14443B
- Supports Windows Mobile 6.1 classic
- CCX4 certified WLAN radio
- IP64 rated
- SDIO expansion slot
- Full range of accessories and chargers

Microsoft BizTalk Server 2006 R2   SUMMIT DATA COMMUNICATIONS   Windows Mobile

unitech
because we care

System

CPU	Intel PXA270 624MHz
Memory	SD RAM 128 MB
	Flash RAM 576 MB
OS	Windows Mobile 6.1 classic

Display

240x320 QVGA, Color Transflective TFT, with Touch Screen & backlight

Keypad

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

Input Device

HF RFID Reader, Keypad, Touch Screen, and Full Alphanumeric Software, 2D Bar Code Scanner reading 1D, 2D & color Image capture

RFID Reader

Frequency: 13.56MHz

Tag Support: ISO15693, ISO14443A , ISO14443B

Indicator

LED, Vibrator

Communication

USB Host & Client

802.11b / g CCX Level 4 Certified

Bluetooth

Bluetooth supports Bluetooth Printer, Bluetooth Modem,

Bluetooth ActiveSync

Symbologies

1D Code	Code 39,JAN/EAN/UPS,2 of 5,Code 128,Code 93,Codabar..
Stacked and 2D Code	PDF41 7,Micro PDF,Datamatrix,QR,Micro QR,Maxicode...

Audio

MIC

Speaker

Headset Connector

Receiver

Expansion Slot

SDIO Slot

Support 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

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
	Anti-microbial casting Reference U.S. Pharmacopeia 26 NF 21 Microbiological Tests (51) Antimicrobial Effectiveness Testing
Weight	310g with battery
Dimesion	L149.5 X H35.5 X W85mm

* 3 feet with 3300mAH battery and battery door

Software

Unitech Software Development Kit

Unitech Software Utilities,

Unitech Mobile SIP

Accessories

4-Slot Battery Charger

4-Slot Ethernet Cradle

Desktop Cradle

Holster

Extended battery

Regulatory Approvals

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

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