



PA690

Mobile Clinical Assistant

While the workload and healthcare quality standards are getting higher, hospitals and other medical environments are desperately in need of the latest techniques to offer the best care possible. When people's lives are at stake every mistake is one too many. The PA690 MCA helps healthcare workers do their jobs accurate, quick and responsible, whether its regarding patient care, access control or laundry management. This device offers the next level in healthcare technology; it's the ultimate Mobile Clinical Assistant: PA690 MCA.

Healthcare challenges

The biggest healthcare challenges are the reduction of human errors and a proper administration of every step of the care process. All of this and more can now be done efficiently with the PA690 MCA. This device meets all possible requests of healthcare workers. The anti-microbial housing of the PA690 MCA makes sure this device can be used within healthcare environments following high hygienic regulations. Because of the integrated 2D imager and optional RFID reader the device can be used in multiple ways. Next to inventory control to avoid out-of stock situations and patient care, the PA690 MCA is the ideal solution for asset management, parking and waste management as well. The device can also be used perfectly for voice note recording.

See more in healthcare surroundings

The 3.8" WVGA LCD touch screen brings the healthcare workers massive user benefits. The PA690 MCA can show all latest care information as well as medication instructions in one single screen view. Because of the latest communication technology the database is always up-to-date providing 100% accuracy in information recording. Taking care of patients has never been so easy and straightforward, reducing time and costs. The 1.5m drop specification and IP65 sealing limits the downtime and repair costs of this assistant to the minimum.

Increase the safety of your patients, reduce human errors and costs and provide your employees with the best possible technology available. Try it yourself and be convinced!

Main Features

- Anti-microbial housing
- Integrated 2D imager, optional HF-RFID reader
- 3.8" WVGA LCD touchscreen
- Rugged: IP65 & 1.5m drop spec
- 2.200mAh battery and an optional 4.000mAh
- USB 1.1, BT 2.1+ EDR, WLAN 802.11 a/b/g (CCX4)
- 5.0 megapixel autofocus camera with flash
- Rich set of accessories



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PA690 MCA

Specifications

Operation System

CPU	Marvell PXA320 806MHz
RAM	Mobile DDR 256MB
ROM	NAND flash 512MB
OS	Windows Embedded Handheld 6.5 Classic

Display

3.8" full WVGA transfective color LCD touch screen with backlight - 246 DPI - 800 x 480

Camera / Photos / Video

5.0 megapixel autofocus camera with flash
Unitech MPEG-4 video codec

Keypad

- 26 numeric keypad
- 6 side keys (programmable with 12Remap)

Indicator

Leds
Vibrator

Integrated reading devices

2D imager, HF-RFID reader (optional)

Symbologies

2D Imager
1D codes
Various postal codes, Codabar, Code 11, Code128/EAN 128, Code 39, Code 93, EAN13, EAN 8, IATA 2 of 5, Matrix 2 of 5, MSI, Planet code, Postnet, RSS, expanded & limited, RSS14, UPC A, UPC E, UPC E1

2D codes
Aztec, Codablock F, Code 49, Datamatrix, EAN-UCC Composite, Maxi-code, Micro PDF417, PDF-417, QR Code, Tcif lonked C39

HF-RFID
HF 13.56MHz supports ISO15693, ISO14443 A/B

Communication

USB	USB 1.1 Host & Client
WLAN	IEEE 802.11 a/b/g , CCX4 Compliant
PAN	Bluetooth 2.1 + EDR

Power Source

Main Battery	8.14 Watt-Hour	3.7V@2200mAH
	12.21 Watt-Hour	3.7V@4000mAH
Backup Battery	Date/time retention - 2 hours - 40mAH	
Operating time	1 scan/ 5 sec. - 6-10 hours	

Audio

Speaker	1W - Mono
Headset Connector	3.5mm 4 pole; L/R speaker & mic
Receiver	
Microphone	Dual, with echo cancelation and noise reduction

Expansion Slot

Micro SD support SDHC up to 32GB
Dual Micro SD slots in HF RFID model

Enclosure

Weight	390g with 2200mAh battery 430g with 4000mAh battery
Dimension	Appr. 177.66mm x 74.58mm x 40.41mm (Antenna lenght excl.)

Environmental

Operating temperature	-10°C to 50°C
Storage temperature	-20°C to 60°C
Relative Humidity	5% ~ 95% (non-condensing)
Drop Specification	1.5 meter
Sealing	IP65
Anti-Microbial casting	Reference U.S. Pharmacopeia 26 NF 21, Microbiological Tests (51) Antimicrobial Effectiveness Testing

Software

Microsoft Visual Studios 2005/2008
Auto Installer

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: www.unitechnical.info

Accessories

USB charging and communication cradle
Ethernet charging and communication cradle
4-slots battery charger
4-slots multi-bay Ethernet cradle
USB charging and communication cable
RS232 charging and communication cable
AC adaptor
Mono 3.5mm headset

Regulatory Approvals

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



Unitech'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: www.unitcare.info

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