



# PA700MCA

## 4.7" Mobile Clinical Assistant



Unitech PA700MCA brings a new level of compact size, functionality and durable construction to a mobile clinical assistant. Not only delivering a slim device with stylish look, but also equipped with hospital-grade functions to meet the needs in healthcare environments. PA700MCA is an ideal portable tool to streamline work process of patient care.

### Ergonomic design at the point-of care

Unitech compact PA700MCA refined elegance to healthcare IT industry, with a slim form factor at weight of less than 285g (with battery) and stylish smooth round edges, PA700MCA is portable and easy for nurse to go anywhere. In addition, a large 4.7-inch color TFT multi-touch display is a delight to check the patient's medical records and easy to operate by the two-finger gestures, it is available to be viewed even in direct sunlight, as well as a Gorilla® Glass screen with 7H hardness to keep it scratch free.

### Versatile functionality

Packing a TI 1.5Ghz Dual Core Processor, DDR2 1GB SDRAM for system memory and 8GB NAND Flash for storage, PA700MCA also supports microSD expansion with an additional 32GB of storage capacity for data-intensive applications. Running on Android 4.1.1 Jelly Bean operation system, PA700MCA provides superior fast and smooth operation as well as combining 2D barcode scanning, HF/NFC RFID and 5.0MP auto focus camera in one handheld device, speeding up patient data management and cut down the number of medical errors to clinicians.

### Advanced wireless connectivity

Equipped with advanced Bluetooth v4.0, GPS, Wi-Fi and wireless LAN 802.11 b/g/n tri-mode radios, PA700MCA enables wireless connections to other devices including hospital servers, mobile computers and

printers for the real-time data collections. Healthcare users can easily access information and accelerate their workflow while they're on the go. Besides, featuring latest NFC communication, PA700MCA provides convenient short-range communication between electronic devices. It enhances the service levels in task transferring and identity asset management applications.

### Anti-microbial and durability

Engineered with superior anti-microbial housing, PA700MCA is built with the compliant with the MIL-STD-810F standards and IP65 certification, the rugged mobile clinical assistant survives through the healthcare environments with its anti-microbial, waterproof and dustproof ability and it can operate in temperatures from -10°C to 50°C. Unitech PA700MCA perfectly reflects its high reliability at a best to the point of care.

### Main Features:

- Anti-microbial housing
- Android 4.1.1 Jelly Bean operation system.
- Advanced performance with industrial grade 1.5Ghz Dual Core Processor
- Latest Bluetooth v4.0, GPS, Wi-Fi and wireless LAN 802.11 b/g/n tri-mode radios
- Large 4.7-inch color TFT multi-touch display
- Gorilla® Glass screen with 7H hardness to keep it scratch free.
- Rugged Construction: IP65 rated and 1.2M drop certified
- Built in 2D imager and HF/NFC RFID Reader

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# v1 PA700MCA

## Specifications

### Operation System

Processor	TI OMAP 4470 1.5Ghz Dual Core Processor
System Memory	DDR2 1GB SDRAM Flash ROM:512MB 8GB eMMC Flash
OS	Android™ v4.1.1 Jelly Bean API Level 16
Other	Built-in Light & Proximity Sensor Built-in G-Sensor Built-in eCompass
Languages Support	English, Simp. Chinese, Traditional Chinese, Japanese, Spanish, German, French

### Display

Type touch screen	5-point capacitive Multi-Touch Panel
Display Type	4.7" TFT LCD
Max. Resolution	1280 x 720
Screen material	Gorilla® glass with 7H hardness

### Keypad & housing

4 function keys, 2 scan keys, volume keys, power key,  
Anti-microbial housing

### Indicator

1 LED indicate charge/Message, Vibrator

### Camera / Photos / Video

Camera	5MP CMOS Sensor Camera Dual Auto Focus LED flash light
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### Symbologies

#### 2D Imager

1D	All All major codes I Barcode
2D	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode, Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX).

#### RFID

HF/NFC

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

### Communication

WLAN	802.11 b/g/n
PAN	Bluetooth® 4.0
WWAN	GSM/GPRS/EDGE 850/900/1800/1900 MHz/UMTS 850/900/1700/1900/2100 MHz/WCDMA modem, HSPA+, DL: 21Mbps/ UL: 5.76Mbps
Navigation	GPS

### Audio

1W speaker 85 dB at 10cm , 3.5mm Audio Jack, Receiver and Microphone

### Power Source

Main battery	Li-Ion battery pack 11.91Wh 3.7V @3220mAh
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### Expansion Slot

1x Mini USB 2.0 On-The-Go (OTG)  
1x Micro SD Card Slot (up to 32GB)

### Enclosure

Weight	285g, (with battery)
Dimension	160mm x 80mm x 17.4mm (without engine)

### Environmental

Operating temperature	-10 to 50°C
Storage temperature	-20 to 60°C
Charging temperature	0 to 40°C
Relative Humidity	5 to 95% (non-condensing)
Drop Specification	1.2 meter
Environmental Sealing	IP65
Vibration and Shock test	MIL-STD-810F, 514.4 process II

### Software

**12Manage** and **12Solutions** are Unitech's software solutions to enhance device deployment and remote management. This software improves system reliability, reduces service costs and ensures systems running smoothly.

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



### Accessories

Single slot USB client cradle with single slot battery charger  
Power adaptor with universal plugs  
3220mAh standard Battery  
MicroUSB Cable  
Handstrap

### Regulatory Approvals

CE, NCC, 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 info: [unitcare.unitech.eu](http://unitcare.unitech.eu)**

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