



PA700MCA

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 1D barcode scanning, UHF/HF 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.

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 1D scanner and HF/NFC/UHF RFID Reader



System Features

CPU	T1 OMAP 4470 1.5Ghz Dual Core Processor
Memory	1GB Mobile DDR RAM 8GB eMMC Flash
OS	Android 4.1.1 Jelly Bean
Languages support	English, Simp. Chinese, Traditional Chinese, Japanese, Spanish, German, French

Display

Gorilla Glass II with 5-point capacitive touch panel
4.7" Color 450nits High Brightness TFT 720x1280 dots IPS LCD

Keypad

4 function keys, 2 scan keys, volume keys, power keys

Indicator

1 LED indicate charge/Message
Vibrator

Symbologies

1D CCD Barcode scanner

1D UPC-A/E, EAN-8/13, Codabar, Code 39, Code 39 full ASCII, Code 93, Code 32, Interleaved & Std. 2 of 5, EAN 128, Code 11, Delta, MSI/Plessey, Code 128, Toshiba, RSS expanded, RSS Limited, RSS14.

2D Imager

1D All major codes
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)

Audio

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

Regulatory Approvals

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



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Communication

Camera and Flash Light	5MP CMOS Sensor Camera with dual Auto focus LED flash light
External storage	Support MicroSD memory card up to 32GB
USB	USB 2.0 OTG
WLAN	IEEE 802.11 b/g/n
Bluetooth	Bluetooth 4.0
WWAN	GSM/GPRS/EDGE 850/900/1800/1900 MHzUMTS 850/900/1700/1900/2100 MHz WCDMA modem, HSPA+, DL: 21Mbps/ UL: 5.76Mbps
GPS	Yes
Other Sensors	eCompass Light & Proximity sensor G-sensor
RFID/HF (Optional)	Frequency: 13.56MHz Tag Support: ISO15693, ISO14443A , ISO14443B Support NFC

Power Source

Main Battery 11.91Wh 3.7V @3220mAh Li-Ion battery pack

Enclosure

Weight 285g (with battery)
Dimension 160mm x17.4mm x 80mm (without engine)

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)
Charging Temperature 32°F to 104°F (0°C to 40°C)
Relative Humidity 5% ~ 95% (non-condensing)
Drop test to Concrete 1.2 meter
Environmental Sealing IP65
Vibration and Shock test MIL-STD-810F, 514.4 process II

Software

Android 4.1.1 API level 16

Accessories

Single Slot USB Client Cradle with Single Slot Battery Charger
Handstrap
3220mAH standard Battery
MicroUSB Cable
Power adaptor with universal plugs

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