

PA966

Imaging, Bluetooth Ruggedized Mobility



Easy data entry

The PA966 is the latest addition to the Unitech family of rugged mobile computers based on Microsoft CE.Net operating system. It's designed for application which requires more keypad for fast data entry. The blue backlight behind the keypad can be switched on for dim lighted working environment and the backlight can be switched off to prolong operation time.

Reliability

The Unitech PA966 is highly suitable to be used outdoors because it is optimized to withstand cold and heat (-20°C to 50°C). The large LCD screen is temperature controlled so it keeps its crisp clear image under these circumstances. The rugged PA966 can withstand 4 feet drops to a concrete floor and it is IP54 sealed to resist splash water & dust resistance.

Scalability Flexibility

The PA966 features an integrated Bluetooth module for short-range wireless communication and still has two free slots (one PCMCIA and one CF) available to suit most connectivity requirements. Unitech offers different models equipped with either a laser scanner or image capture device for 2D barcodes and image capturing. The PCMCIA Slot also makes PA966 forwarding compatible with latest RFID technology.

Affordable Value

The combination of the feature-packed PA966 with Unitech's best-in-class after sales support makes this a compelling choice in numerous mobile applications, especially field service, asset management, route accounting, document tracking and document verification. The PA966 shares the same accessories as most other current PA9xx models, enabling users to have a mixed deployment of terminals and in the process lowering and protect their investments.

Main Features

- Microsoft WinCE.NET 4.2 Professional plus
- Intel 400 MHz 32 bits PXA255 CPU
- 240 by 320 large display supports 256K color providing brilliant & vivid display
- 2D Imager or linear laser scanner
- RFID Reader enabled (via PCMCIA Slot)
- Transflective TFT Backlit color screen providing brilliant & vivid display
- Backlit 36-key keypad, including numeric, alpha and function keys
- Bluetooth on board
- 1 PCMCIA Slot & 1 CF Slot
- Operating temperature -20°C ~ 50°C (depends on configuration)
- IP54 sealing against water & dust
- 4 Feet (1.2M) Free drop to concrete floor - minimum downtime

System

Operating System	Microsoft Windows CE.NET 4.2 Professional plus
Browser	IE 4.0
CPU	Intel 400 MHz 32 bits PXA255 CPU. Built-in real time clock.
Memory	RAM 64MB, Flash ROM 64MB
Speaker	A 8W Speaker as the sound transducer Volume controllable by software

Display

240x320 transfective TFT backlight color LCD supports 256K color with touch panel and heating system

Keypad

36 hard-key backlit keypad including numeric-, alpha- & function keys.
Navigation-/cursor keys, 2 side buttons for scanner trigger

Input devices

Touch screen, stylus, keypad, full alphanumeric software keyboard and barcode scanner

Barcode Scanner

Light source	650±10 nm visible laser diode
Scan rate	39±3 scans/sec
Contrast	25% absolute dark/light reflectance
Scan Angle	53° nominal
Symbologies	UPC-A/E, EAN8/13, Codabar, Code 39, Code 39 full ASCII, Code 93, Code 32, Interleaved & Std. 2 of 5, EAN 128, Code 11, Delta, MSI/Plessy, Code 128, Toshiba

Optional 2D Imager

1D codes	Australian post, British post, Canadian post, Codabar, Code 11, Code 128, Code 39, Code 93, EAN 13, EAN 8, IATA 2 of 5, ITF, ISBT, Japanese post, Kix code (nl), Korean post, Matrix 2 of 5, MSI, Planet code, Postnet, RSS expanded, RSS limited, RSS 14, UPC A, UPC E, UPC E1
2D codes	Aztec, Codablock F, Code 49, Datamatrix, EAN-UCC, composite, Maxicode, Micro PDF417, PDF 417, QR code, Tcif linked C39

Communications

RS232	Full duplex asynchronous communication
USB	1.0
Infrared	IrDA 1.2 (SIR) compliant. Up to 115,200 baud rate
Wireless	Bluetooth Class II

Electrical

Source	1) Rechargeable Li-Ion batter pack (7.4V@ 1850mAH) 2) Rechargeable Ni-MH @ 3.7 V, 120mAH as back-up battery 3) 12V DC external adapter, 2A
Operating time	10hours at 1 scan per every second with LCD backlight on
Charging	3 hours with docking station or charging cable
Consumption	Standby: 100mA at 8V Suspend: 5mA

RFID (Optional)

Frequency	13,56 MHz
Supporting tags	ISO 15693, Tag it, I-Code, I-Code SLI
Reading Distance	Terminal level about 30~70 mm

Docking Station

Interface	RS232, USB
Charging	3 hours
Power input	AC adapter 12V DC@2A

Usage & Storage

Mechanical

Shock	Withstands multiple 1.2 meter drops to concrete
IP rating	IP54, splash water and dust resistant
Length/Width/Depth	185mm/87,6mm/43,3mm
Weight	454 grams including battery pack

Environmental

Operating temperature	-20°C ~ 50°C (Depends on configuration)
Storage temperature	-20°C ~ 60°C
Relative humidity	5% to 95% RH non-condensing

Software tools

Programming development tool

- MS Embedded Visual C++ V4 using Unitech PA966 SDK
- MS Visual Studio.NET
- MCL Collection
- PowerNet Twin Client
- RFGEN
- CETERM

Available models

- PA966
- PA967 Gungrip

Accessories

- Carrying case
- Communication / charging cable
- Docking station
- Vehicle cradle
- 4 Slot Multibay
- Modem Cradle
- Memory card
- GSM / GPRS card
- WLAN card
- AC adapter
- Li-ion battery pack



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