



Easy data entry

The PA966 shares the IF awarded design of the PA962, but adding the benefit of having a full alphanumeric keypad for extensive data entry. The 36 keys are large enough to allow single-hand data entry operation. The backlit keypad allows the user to use the unit even in dark environments.

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) better. At the heart of the PA966 is the Intel PXA255 X-scale extended temperature processor whereas the large transfective LCD screen is temperature controlled to keep a crystal clear image under these outdoors circumstances. The unit is IP54 rated (splash water and dust resistance).

Scalability Flexibility

The PA966 offers a standard PCMCIA (type II) and CF (type II) slot allowing flexible and on-demand integration of technologies to realize your WLAN or WWAN solutions. The integrated Bluetooth module enables you to use a variety of peripherals for a short-range wireless communications such as mobile printers etc.

Unitech offers a variety of models equipped with either a laser scanner or image capture device for 2D barcodes and image capturing without and with integrated gun-grip to further enhance ergonomics in scan intensive applications.

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 X-Scale CPU
- Bluetooth class II on board
- Transfective TFT Color Screen providing brilliant & vivid display
- 2D Imager or linear laser scanner
- Transfective TFT Backlit color screen providing brilliant & vivid display
- Backlit 36-key keypad, including numeric-, alpha – and function keys
- 1 PCMCIA type II & 1 CF slot type II
- Operating temperature -20°C ~ 50°C
- IP54 sealing against water & dust
- 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 X-Scale CPU.
 Built-in real time clock. Low temperature version
 Memory: RAM 64MB, Flash ROM 64MB
 Speaker: A 8Ω Speaker as the sound transducer.
 Volume controllable by Software
 LED Indicator: dual color (green/red for good scan and charging status)

Display

240x320 transfective TFT color LCD touch screen supporting 256K colors, with backlight

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, full alphanumeric keypad and keyboard software, barcode scanner (laser or imager)

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
 Symbolologies: 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/Plessey, Code 128, Toshiba

2D Imager (optional)

ID 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

RS232C: Full duplex asynchronous communication
 USB: I.O client
 Infrared: IrDA 1.2 (SIR) compliant. Up to 115,200 baud rate
 Wireless: Bluetooth Class II
 CF: Type I/ II slot
 PCMCIA: Type II slot
 Both slots accept memory-, modem-, WLAN- & WWAN cards or can be used for installation of i.e. a GPS modem, snap on reader etc.

Electrical

Source: 1) Rechargeable Li-Ion batter pack (13,3 Watt-hours/7.4V@ 1850mAH)
 2) Rechargeable Ni-MH @ 1.2V, 600mAH as back-up battery for retaining data
 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
 Suspend: 5mA

RFID module (optional)

Frequency: 13,56 MHz
 Supporting tags: ISO 15693, Tag it, I-Code, Icode SLI My-d, LR1512, Temp sense
 Power: 3.3-5V/56mA power down mode
 Reading Distance: Terminal level about 20~50 mm
 Antenna: Built-in module

Docking Station

Interface: RS232, USB
 Charging: ~3 hours at room temperature
 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: 500 grams including battery pack

Environmental

Operating temperature:
 laser: -20°C ~ 50°C
 imager: 0°C ~ 50°C
 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
 . CETERM
 . Variety of Unitech Software tools

Versatile models

PA966-025AB CE.NET4.2, 36K, BT
 PA966-026AB CE.NET4.2, 36K, BT, RF
 PA966-825AB CE.NET4.2, 36K, BT, IMGR
 PA966-826AB CE.NET4.2, 36K, BT, RF, IMGR
 PA966-925AB CE.NET4.2, 36K, BT, LSR
 PA966-926AB CE.NET4.2, 36K, BT, RF, LSR
 PA967-825AB CE.NET4.2, 36K, BT, IMGR, grip
 PA967-826AB CE.NET4.2, 36K, BT, RF, IMGR, grip
 PA967-925AB CE.NET4.2, 36K, BT, LSR, grip
 PA967-926AB CE.NET4.2, 36K, BT, RF, LSR, grip



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