

PA962

Color Rugged Mobile



Business productivity and efficiency is the irresistible force driving Enterprise to adopt mobile tools. The Unitech PA962 was specifically designed to increase your productivity in the warehouse, on the road, or in the field - by dynamically linking data collection and host systems.

Versatile Design for Data Input - Anytime, Anywhere

The PA962 incorporates a built-in scanner for industry standard bar codes, a 19 key keypad, and a touch screen. Data Collection is simple, fast and accurate. Expansion slots for WLAN or WWAN make real world data transaction possible where you really need it - in the field. Working environments are not always perfectly lit, so the PA962 features display and keypad backlight that make anytime, anywhere operation possible. Control the keypad backlight on/off and display backlight brightness for power saving via simple hot keys.

Rugged & Mobile

The rugged PA962 can withstand 1.2 meter (4 foot) bounces off a concrete floor and is sealed to IP54 standards against water and dust. The rugged housing protects the terminal against the harsh working environment often encountered by mobile users. The double-cell battery pack provides long hours of mobile operation, uncompromised productivity, and minimal down time.

Bridging Current and Future Infrastructure

The PA962 comes equipped with both a PCMCIA Type II slot and a CF Type I/Type II slot for WWAN, WWLAN, memory, and many other uses. The PA962's expansion slots easily accommodate future Enterprise technology requirements.

User Friendly

Despite IP54 sealing and the double-cell battery, the PA962's ergonomic design still easily fits the user's hand. Users increase productivity right from the start with minimum training thanks to the PA962's vivid 240 by 320 color display, touch screen, and the familiar Windows operating system.

Main Features

- Microsoft WinCE.NET5.0 Professional Plus.
- Intel Processor 400MHz
- Reflective TFT Color Screen provides brilliant & vivid display
- 19 key keypad includes numeric key, alpha key, and function key
- User controllable LCD and keypad backlight
- User accessible PCMCIA Type II slot & CF Type I/II for expansion
- Double-cell rechargeable Li-Ion battery pack 7.4V 1850mAh
- IP54 sealed against rain & dust
- Survives 1.2M free drop to concrete floor - minimum down time

System

Operating System: Microsoft WinCE.NET5.0 Professional Plus.
 CPU: Intel Processor 400MHz
 Memory: SDRAM:64MB, FLASH ROM:64MB
 Speaker: A 8½ Speaker as the sound transducer.
 Volume controllable by Software
 LED Indicator: dual color (green/red)

Display

240 by 320 Reflective TFT Color LCD, with backlight, with touch screen.

Keypad

19 hard keys including numeric keypad, alpha keypad, ESC, ENT, FUNC, Backspace, and a cursor key.
 2 side keys for scanner trigger.

Input Devices

Touch screen, stylus, keypad, full alphanumeric software keyboard and bar code scanner.

Bar code 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, 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.

Resolution

Resolution	Depth of field
5.0 mils	2-5.2"
7.5 mils	1.7-8"
10.0 mils	1.8-10"
15.0 mils	1.9-13"
20.0 mils	*-20"
40.0 mils	*-25"
55.0 mils	*-30"

- Depends on symbol width

Communication

RS232C: Full duplex asynchronous communication.
 USB: 1.0
 Infrared: IrDA 1.2 (SIR) compliant. Up to 115,200 baud rate.
 PCMCIA: Type II slot accepts memory, WLAN, and WWAN cards.
 CF: Type I/II slot accepts memory or WLAN card.

Electrical

Sources: 1) 12V DC external adapter, 2A
 2) Rechargeable Li-Ion battery pack @ 7.4V, 1850mAh
 3) Rechargeable Ni-MH @1.2V, 600mAh as backup battery
 Consumption: Standby: 100mA at 8V
 Suspend: 5 mA
 Battery life: Up to 18 hours, depending on configuration and application
 Charge: 3 hours with charging cable or with docking station

Mechanical

Shock: Withstands multiple 4 ft. (1.2 m) drops to concrete floor
 Length: 7.28" (185 mm)
 Width: 3.49" (87.6 mm)
 Depth: 1.70" (43.3 mm)
 Weight: 442g with battery pack

Environmental

Operating Temperature: -5° C to 50° C
 Storage Temperature: -20° C to 60° C
 Humidity: 5 to 95% RH non-condensing

Docking Station

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

Accessories

Carrying case
 Communication / charging cable
 Docking station
 Vehicle cradle
 Modem card
 Memory card
 GSM / GPRS card
 WLAN card
 AC adapter
 Li-Ion battery pack

Development tool

Microsoft Embedded Visual Tools
 Unitech PA962 SDK

Software

CEterm
 MCL Client
 PowerNet TN Client
 RFGen
 Oracle Database Lite



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