unitech

EMPOWERING SOLUTIONS

PA970
All-in-one
Rugged
Mobile

Complete wireless technology in diverse environments

Unitech's PA970 PDA comes equipped with wireless technology. The PA970 offers GPRS, 802.11b and Bluetooth capabilities, a solution specifically designed for mobile industries that require wireless connectivity in various environments.

Wireless Connectivity

PA970, versatile and flexible, it offers the choice of the three radio functions (802.11b, GPRS, Bluetooth) built in as standard.

The PA970 is an adaptable PDA that can be used in numerous situations utilizing its wireless capabilities; from 802.11b in warehousing, GPRS in field sales and logistics to Bluetooth for your peripherals. This PDA provides an additional SD Slot to extend memory or operate as a back-up to retain your data.

The PA970 is all you need, optimising the benefits of previous designs to produce a superior machine that can offer several features in one device.

Versatile Design for Data Input – Anytime, Anywhere

The PA970 offers you the tools for fast and accurate data collection. It features a backlit 19-key keypad with large buttons, a high resolution VGA TFT touch screen and a built-in scanner capable of reading industry standard barcodes.

Durability and Endurance

The PA970 continues its successful ergonomic design used in past Unitech PDA products. It is a robust terminal that can withstand multiple 1.2 metre drops to concrete. The PA970 has an IP54 rating which gives it resistance against dust and water making it ideal for use in harsh environments inside and out. The large battery pack (13.3 watt-hours/7.4V @ 1850mAH) ensures you maximum operation with minimum downtime.

User Friendly

The PA970 has combined modern technology with the latest essential features to create a powerful terminal that can be employed in many industries. This product is lightweight (weighing 500 grams, including battery) and fits comfortably in your hand and its shape and large buttons make it easy to operate while the high contrast backlit keypad and touch screen give clear, sharp continuous view.

Main Features

* Microsoft WinCE.NET 4.2 Professional plus
* Intel 400 MHz 32 bits PXA255 CPU
* Built-in GPRS, 802.11b and Bluetooth all in one device
* Transflective TFT Colour Screen providing brilliant & vivid display
* Backlit 19-key keypad, including numeric-, alpha – and function keys
* User controllable LCD and Keypad Backlight
* 1 SD slot for SD/MCC memory expansion
* IP54 sealing against water & dust
* 1.2M Free drop to concrete floor – minimum downtime

Microsoft **Windows Powered**

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 transflective TFT colour LCD supports 256K colour with backlight with touch panel

Keypad

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

Input devices

Touch screen, stylus, keypad, and 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, Coda bar, Code 39, Code 39 full ASCI, Code 93, Code 32, Interleaved & Std. 2 of 5, EAN 128, Code 11, Delta, MSI/Plessey, Code 128, Toshiba

Communication

RS232:	Full duplex asynchronous communication
USB:	1.0
Infrared:	IrDA 1.2 (SIR) compliant. Up to 115,200 baud rate
Wireless:	Bluetooth Class II, 802.11b, GPRS

Electrical

Source:	1) Rechargeable Li-Ion batter pack (13,3 Watt-hours/7.4V@ 1850mAH)
	2) Rechargeable Ni-MH @ 1.2 V, 600mAH 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

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:	500 grams including battery pack

Environmental

Operating temperature:	-10°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 PA970 SDK
. MS Visual Studio.NET
. MCL Collection*
. Power Net Twin Client
. RFGEN
. CETERM
. Unitech Wireless WAN Interface

Versatile models

PA970-026AB	No scanner WinCE.NET 4.2 Bluetooth and 802.11b
PA970-027AB	No scanner WinCE.NET 4.2 Bluetooth and GPRS
PA970-029AB	No scanner WinCE.NET 4.2 Bluetooth, GPRS and 802.11b
PA970-926AB	With scanner WinCE.NET 4.2 Bluetooth and 802.11b
PA970-927AB	With scanner WinCE.NET 4.2 Bluetooth and GPRS
PA970-929AB	With scanner WinCE.NET 4.2 Bluetooth, GPRS and 802.11b

Accessories

1400-201017	Spare Li-Ion battery pack
5000-600627	Charging/Communication cradle
PA9XX-CAR001	Easy car holder
PA9xx-CAR02CK	Professional vehicle kit
5100-600635	2-slot battery chargers
5100-600636	4-slot battery chargers
1550-600622	RS232 charging/communication cable
1550-600623	USB charging/communication cable
1550-600626	USB null modem cable cradle
1550-600682	RS232 null-modem cable for cradle
381408	Holster