unitech
EMPOWERING SOLUTIONS

PA962
Color
Bluetooth
Rugged
Mobile

PA962 – The logical choice for rugged mobile computing
The driving force behind adapting mobile solutions within your application is based upon business productivity and efficiency. Bearing this in mind, Unitech has designed the PA962. This high-end industrial PDA was specifically designed for mobile use in the field service, warehousing, transportation, retail and other logistic & service environments.

The PA962 offers you durability and endurance
The PA962 has a robust, but above all ergonomic design. It is built to withstand multiple 1,2 meter drops to concrete and is IP54 rated for the resistance against dust and water. This makes the PA962 ideally suited for use in harsh environments and / or outdoor applications.

The large capacity battery pack (13,3 Watt-hours/1850mAH @ 7.4 V) ensures you maximum operation with minimum downtime, therefore offering all-round functionality to effectively manage data at the point of activity.

Versatile design for Data Input – Anytime, Anywhere
The PA962 offers you the tools for a fast and accurate data collection. It features a backlit, 19- key keypad with large buttons, a high-resolution colour VGA TFT touch screen and a built-in scanner capable of reading industry standard barcodes. Data collection never has been so easy!

Need to go wireless? The standard PMCIA (type II) & CF (type II) slots allows flexible and on-demand integration of technologies to realize your WLAN or WWAN solutions. Furthermore the integrated Bluetooth module enables you to us a variety of peripherals such as printers etc. Furthermore, the slots can also be used for the expansion of memory or the use of a snap on reader etc. Just consider the value of having the freedom to integrate your 802.11b, GPRS, DECT, Bluetooth or any new technology where and when you want it! We view it as a good protection on your investment.

User Friendly
Even though the PA962 features rich functionality, no compromise has been made with regard to its user friendliness. You will find that the terminal fits perfectly into your hand, weighing just 442 grams (incl battery), while the shape of the unit along with the large buttons make it extremely easy to handle. The high contrast, backlit touch screen and backlit keypad make sure that at all times you have a clear, sharp view of all your data collection activities!

Main Features
- Microsoft WinCE.NET4.2 Professional Plus
- Intel 400 MHz 32 bits PXA255 X-Scale CPU
- Transflective TFT Color Screen provides brilliant & vivid display
- Backlit 19-key keypad, including numeric-, alpha- & function keys
- User controllable LCD and keypad backlight
- Bluetooth on board
- User Accessible PCMCIA Type II slot & CF type I/II for flexible expansion
- RFID 13.56 MHz (optional)
- Double-cell rechargeable Li-Ion battery pack 7.4V 1850mAH
- IP54 sealed against water & dust
- 1.2M free drop to concrete floor - minimum down time

Microsoft
Windows
Powered

System

Operating System:	Microsoft WindowsCE.NET4.2 Professional Plus
Browser:	IE4.0
CPU:	Intel 400 MHz 32 bits PXA255 X-Scale CPU. Built-in real time clock.
Memory:	RAM 64 MB, flashROM 64 MB
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 transflective TFT color LCD touch screen supporting 256K colors, with backlight

Keypad

19 hard-key backlit numeric keypad with navigation-/ cursor-, ESC-, ENT-, FUNC- and Backspace key. Supports alpha mode. 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, EAN-8/13, Codabar, Code 39, Code 39 full ASCI, Code 93, Code 32, Interleaved & Std. 2 of 5, EAN 128, Code 11, Delta, MSI/Plessy, Code 128, Toshiba.

Communication

RS232C:	Full duplex asynchronous communication
USB:	1.0 client
Infrared:	IrDA 1.2 (SIR) compliant. Up to 115, 200 baud rate.
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.
Bluetooth:	Class II

Electrical

Source:	1) Rechargeable Li-Ion battery pack (13,3 Watt-hours/ 7.4V@ 1850mAH/)
	2) Rechargeable Ni-MH @1.2V, 600mAH as backup battery
	3) 12V DC external adapter, 2A (when cradled)
Operating time:	~10 hours at 1 scan per every 5 seconds 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, LRI512, 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 (4ft.) drops to a concrete floor
IP rating:	IP54, splash water and dust resistant
Length / Width / Depth:	185mm / 87.6mm / 43.3mm
Weight:	442g with battery pack

Environmental

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

Software & Tools

Programming development tool:
- MS Embedded Visual C++ V4 using Unitech PA962 SDK
- MS Visual Studio.NET
- MCL Collection
- Naurtech

Other Tools:
- Auto Installer:
  A unique tool allowing the device to return to a pre-defined status after a cold-boot, reset etc. without the intervention of the user. It restores the default Operating System, applications and connection settings.
- Terminal Emulator
  - Microsoft Terminal Services
- Development API's (Application Programming Interface)
  - CEUtility, .NET compact framework, Quick (Binary) Searching, Printing, Scan key, Scanner, PCMCIA/CF control
- Additional tools
  FlashMan, RegFuncKey, MultiBay, UniPing, ScreenRotate
- Back-up utility
- UWWI

Versatile models

PA962-020AB	No scanner WinCE.NET 4.2
PA962-022AB	No scanner WinCE.NET 4.2, with integrated RF 802.11b
PA962-0220AB	No scanner WinCE.NET 4.2, with integrated RFID
PA962-0222AB	No scanner WinCE.NET 4.2, with integrated RF 802.11b and RFID
PA962-920AB	With scanner WinCE.NET 4.2
PA962-922AB	With scanner WinCE.NET 4.2, with integrated RF 802.11b
PA962-9220AB	With scanner WinCE.NET 4.2, with integrated RFID
PA962-9222AB	With scanner WinCE.NET 4.2, with integrated RF 802.11b and RFID
PA963-920AB	Same as PA962-920AB but with integrated gungrip
PA963-922AB	Same as PA962-922AB but with integrated gungrip
PA963-9220AB	Same as PA962-9220AB but with integrated gungrip
PA963-9222AB	Same as PA962-9222AB but with integrated gungrip
PA962-025AB	No scanner WinCE.NET 4.2 with integrated BT
PA962-026AB	No Scanner WinCE.NET 4.2 with integrated BT and RF 802.11b
PA962-925AB	With Scanner WinCE.NET 4.2 with integrated BT
PA962-926AB	With Scanner WinCE.NET 4.2 with integrated BT and RF 802.11b
PA963-925AB	Same as PA962-925AB but with integrated gungrip
PA963-926AB	Same as PA962-926AB but with integrated gungrip

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 charger
5100-600636	4-slot battery charger
1550-600622	RS232 charging/communication cable
1550-600623	USB charging/communication cable
1550-600626	USB null-modem cable for cradle
1550-600682	RS232 null-modem cable for cradle
381408	Holster

PA962-06V3