



# PA963

## Color Rugged Mobile



Business productivity and efficiency is the irresistible force driving Enterprise to adopt mobile tools. The Unitech PA963 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 PA963 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 PA963 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 PA963 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 PA963 comes equipped with both a PCMCIA Type II slot and a CF Type I/Type II slot for WWAN, WLAN, memory, and many other uses. The PA963's expansion slots easily accommodate future Enterprise technology requirements.

### User Friendly

Despite IP54 sealing and the double-cell battery, the PA963's ergonomic design still easily fits the user's hand. Users increase productivity right from the start with minimum training thanks to the PA963's vivid 240 by 320 color display, touch screen, and the familiar Windows operating system.

### Main Features

- Microsoft WinCE.NET4.2 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.NET4.2 Professional Plus.  
 CPU: Intel Processor 400MHz  
 Memory: SDRAM:64MB, FLASH ROM:64MB  
 Speaker: A 8Ω Speaker as the sound transducer.  
 Volume controllable by Software  
 LED Indicator: dual color (green/red)

### Display

240 by 320 Reflective TFT Color LCD, display 256K simultaneously 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 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, modem, WLAN, and WWAN cards.  
 CF: Type I/II slot accepts memory or WLAN card.



### Unitech America

Los Angeles Miami Mexico  
<http://www.ute.com> e-mail: [inquiry@ute.com](mailto:inquiry@ute.com)  
<http://latin.unitech-adc.com> e-mail: [info@latin.unitech-adc.com](mailto:info@latin.unitech-adc.com)

### Unitech APAC

Taipei <http://www.unitech-adc.com>  
 e-mail: [aidcsales@adc.unitech.com.tw](mailto:aidcsales@adc.unitech.com.tw)

### Unitech Japan

Tokyo <http://www.unitech-japan.co.jp> e-mail: [sales@unitech-japan.co.jp](mailto:sales@unitech-japan.co.jp)

### Electrical

Sources: 1) 12V DC external adapter, 2A  
 2) Rechargeable Li-Ion battery pack @ 7.4V, 1850mAh  
 3) Rechargeable Ni-MH @ 3.7V, 150mAh as backup battery  
 Consumption: Standby: 100mA at 8V  
 Suspend: 5mA  
 Battery life: More than 10 hours at 1 scan 1 pass every 5 seconds with LCD backlight enabled  
 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"  
 Width: 3.49"  
 Depth: 5.91"  
 Weight: 530g 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  
 4 Slot Multibay  
 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 Clint  
 PowerNet TN Client  
 RFGen  
 IBM WCTME

### Unitech Europe

Tilburg / NL <http://www.unitech-europe.com> [sales@unitech-europe.com](mailto:sales@unitech-europe.com)  
 Swindon, Wiltshire / UK <http://www.unitech-europe.co.uk>  
[sales@unitech-europe.co.uk](mailto:sales@unitech-europe.co.uk)

### Unitech Greater China

Beijing Suzhou Shanghai Guang Zhou Xiamen  
<http://www.ute.com.cn> <http://www.ute.cn> [unitech@ute.com.cn](mailto:unitech@ute.com.cn)  
 Taipei <http://adc-utf.unitech.com.tw> [barcode@unitech.com.tw](mailto:barcode@unitech.com.tw)

### Head Office

<http://www.unitech-adc.com> e-mail: [marketing@adc.unitech.com.tw](mailto:marketing@adc.unitech.com.tw)