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PA966
Imaging, Bluetooth
Ruggedized
Mobility

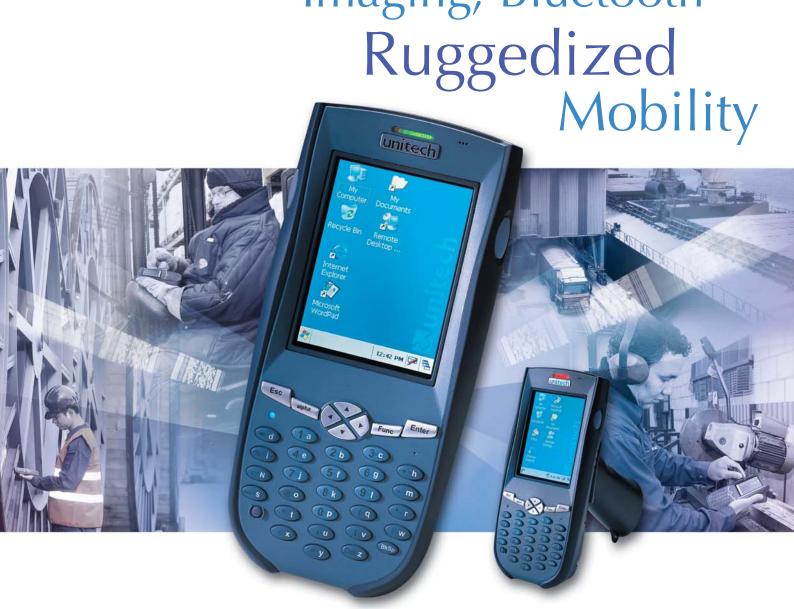### Easy Data Entry
The PA966 is the latest addition to the Unitech family of Microsoft CE.Net based rugged mobile computers - designed for applications that require a more complete keypad for fast data entry. The PA966's blue keypad backlight can be switched on for dimly lit working environments or switched off to maximize operation time.

Reliability
The PA966 is optimized to withstand cold and heat (-4°F to 122°F, -20°C to 50°C), which makes it ideal for outdoor use in harsh conditions. The PA966 keeps its large screen image crisp and clear with its temperature-controlled LCD panel. The rugged PA966 can withstand 4 feet (1.2 meter) drops to a concrete floor, and is IP64 sealed to resist water splashes and dust.

Scalability & Flexibility
The PA966 features an integrated Bluetooth module for short - range wireless communication. Two free slots (one PCMCIA and one CF) are also available to suit most connectivity requirements, and makes the PA966 forward compatible with the latest RFID technology. Unitech offers various models equipped with 2D laser scanners or image capture devices for barcode and image capturing.

Affordable Value
The combination of the feature-packed PA966 and Unitech's excellent after-sales support makes the PA966 a compelling choice for 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 while protecting their investment at lower cost.

Main Features
- Microsoft WinCE.NET 5.0 Professional plus
- Intel 400 MHz 32 bits PXA255 CPU
- 240 by 320 large display supports 256K color providing brilliant & vivid display
- 2D Imager or linear laser scanner
- RFID Reader enabled (via PCMCIA Slot)
- Transflective TFT Backlit color screen providing brilliant & vivid display
- Backlit 36-key keypad, including numeric, alpha and function keys
- Bluetooth on board
- 1 PCMCIA Slot & 1 CF Slot
- Operating temperature -4°F to 122°F (-20°C to 50°C) depending on configuration
- IP64 sealing against water & dust
- 4 Feet (1.2M) Free drop to concrete floor - minimum downtime

Cisco Compatible · POWERED BY ORACLE · Windows Embedded Partner

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PA966
Specifications

System

Operating system	Microsoft Windows CE.NET 5.0 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 backlight color LCD supports 256K color with touch panel and heating system

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, 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, EAN8/13, 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

Optional 2D Imager

1D codes	Australian post, British post, Canedian 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

Communication & Expansion

RS232	Full duplex asynchronous communication
USB	1.0
Infrared	IrDA 1.2 (SIR) compliant. Up to 115,200 baud rate
Wireless	WPAN, Bluetooth Class II WLAN, via PCMCIA or CF Slots WWAN, via PCMCIA Slot
PCMCIA Slot	Type II accepts memory, WLAN and WWAN cards
CF Slot	Type I/II slot accepts memory and WLAN card

Electrical

Source	1) Rechargeable Li-Ion batter pack (7.4V@ 1850mAH) 2) Rechargeable Ni-MH @ 3.7 V, 120mAH as back-up battery 3) 12V DC external adapter, 2A
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 at 8V Suspend: 5mA

RFID (Optional)

Frequency	13,56 MHz
Supporting tags	ISO 15693, Tag it, I-Code, I-Code SLI
Reading distance	Terminal level about 30~70 mm

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	IP64, splash water and dust resistant
Length/Width/Depth	7.3" / 3.4" / 1.7" (185mm / 87.6mm / 43.3mm)
Weight	16.0 oz. (454g) including battery pack

Environmental

Operating temperature	-4°F to 122°F (-20°C to 50°C) depending on configuration
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Relative humidity	5% to 95% RH non-condensing

Software Tools

- IBM WebShpere Client Technology Micro Edition
- MS Embedded Visucal C++ V4 using Unitech PA966 SDK
- MS Visual Studio.NET
- MCL Collection
- PowerNet Twin Client
- RFGEN
- CETERM
- Oracle Database Lite

Available Models

- PA966
- PA967 Gungrip

Accessories

- Carrying case
- Communication / charging cable
- Docking station
- Vehicle cradle
- Modem cradle
- RFID reader (13.56MHz)
- 4 Slot battery charger
- Memory card
- GSM / GPRS card
- WLAN card
- AC adapter
- Li-ion battery pack
- 2 Slot battery charger

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