PA550
Rugged meets smartphone

Where industrial durability meets smart phone functionality

The Unitech PA550 combines rugged industrial construction with smart phone functionality, making it ideally suited for sales automation and field service applications. Featuring a durable enclosure able to withstand 4-foot drops to concrete and shield against water and dust, the PA550 is designed to perform under harsh conditions. Despite its compact size, the PA550 is an extremely powerful mobile device. Driven by a high-speed 806MHz Marvell processor and Windows Mobile 6.5 operating system, the PA550 boasts full wireless connectivity, QWERTY keypad with programmable hot keys, and exceptional battery life for extended device runtime.

Sunlight readable LCD and high performance GPS

The PA550 features a sunlight readable display for outdoor use. The Blanview® transmissive LCD requires minimal power consumption while providing a large viewing angle, and the Smart Light Sensor technology detects ambient light to automatically adjust screen brightness without manual configuration.

For global positioning applications, the PA550 utilizes the Ublox NEO-5Q GPS module with KickStart® technology. Even under weak signaling environments, the GPS module provides accelerated startup, acquisition and tracking.

Tracking and Tracing, Anytime, Anywhere

The PA550 features an auto-focus 5.0 megapixel camera allowing users to take photos and video for proof of service applications. With its integrated GPS, Bluetooth, WiFi and 3.5G WAN wireless connectivity, the PA550 provides positioning, tracking and tracing capabilities – anytime, anywhere.

Main Features

- Multiple wireless options: Bluetooth, 802.11 b/g, 3.5G UMTS/HSDPA and GPS
- QWERTY keypad with individual numeric keys and function keys
- 2.8" Sunlight readable touchscreen
- Laser barcode scanner
- 806MHz Marvell PXA320 processor
- Windows Mobile 6.5.3 Professional OS
- 1.2M / 4-foot drop threshold to concrete
- IP54 environmental seal
- Long-lasting battery for extended device runtime

Windows Mobile®

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because we care

because we care

- **System Features**

  CPU — 806MHz Marvell PXA320 Processor
  Operating System — Windows Mobile 6.5.3 Professional
  Memory — Mobile DDR: 256MB
  NaND Flash: 512MB

- **Display**

  2.8" QVGA transmissive LCD; excellent sunlight readability; 80° viewing angle; touch screen and backlight

- **Keypad**

  QWERTY keypad with individual numeric keys;
  Numeric keypad (optional)

- **Interface**

  USB 1.1 — Host and client

- **Camera / Photos / Video**

  5.0 megapixel autofocus camera with flash;
  Unitech MPEG-4 video codec (VGA resolution)

- **Indicator**

  LED; vibrator

- **Barcode Scanner**

  1D laser scanner; 2D imager scanner (optional)

- **Symbologies**

  UPC-A/E, EAN-8/13, Codabar, Code 39, Code 39 full ASCI, Code 93, Code 32, Interleaved & Std 2 of 5, EAN128, Code 11, Delta, MSI/Plessey, Code 128, Toshiba

- **Audio**

  Microphone; Speaker; Headset Minijack; Receiver

- **Expansion Slot**

  MicroSD (supports SDHC)

- **Location**

  Ublox NEO-5Q GPS with KickStart® and SuperSense® technologies

- **Wireless Communication**

  WPAN — Bluetooth 2.1 + EDR
  WLAN — IEEE 802.11b/g
  WWAN — 3.5G Five-bands;
  GSM/GPRS 850MHz, 900MHz, 1800MHz, 1900MHz;
  UMTS WCDMA/HSDPA 50MHz, 1900MHz
  GPRS Edge

- **Power Source**

  Main Battery — 9.25 Watts (3.7V 2500mAh) Li-ion battery pack
  Backup Battery — Rechargeable Ni-MH backup battery
  Operation Time — Up to 10 hours (configuration and application dependent)

- **Enclosure**

  Weight — 11.3 ounces
  Dimensions — 4.9"L x 3.2"W x 1.4"D
  (Antenna length excluded)

- **Environmental**

  Operating Temperature — 14°F to 122°F (-10°C to 50°C)
  Storage Temperature — -4°F to 140°F (-20°C to 60°C)
  Relative Humidity — 5% to 95% (non-condensing)
  Drop Threshold — 4 feet
  Environmental Seal — IP54

- **Software**

  Microsoft Visual Studio 2005 / 2008
  Mobile SIP (VoIP)
  Auto Installer

- **Accessories**

  USB cradle with battery charger
  Ethernet cradle with battery charger
  Replacement main battery
  USB communication / charging cable
  AC adapter / universal power plugs
  Car kit / vehicle charger
  Mono 3.5mm headset

- **Regulatory Approvals**

  CE, FCC, BSMI, VCCI, CCC, RoHS compliance

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