



# PA550

## Rugged meets smartphone

### Rugged meets smart phone

Without doubt the PA550 features all smartphone functionalities desired by modern PDA users. This allows mobile workers to benefit from its very compact size, finger-friendly operation, the latest Windows mobile 6.5.3, high speed Marvel 806MHz processor and all modern wireless connectivity options. The PA550 has been carefully purpose-built to meet the critical needs of sales automation and field service applications, including 1.2m free drops and an IP54 sealing. The unique PA550 keypad design encompasses a complete line up of individual numeric keys, an ergonomic center-to-center gap between each key to avoid miss typing and programmable independent function/hot keys providing the best data input convenience and comfort to users. Last but not the least, the PA550's battery capacity makes sure that those mobile workers can stay in operation for a full day shift without interruption.

### Tracking and Tracing, Anytime, Anywhere

The PA550 features a built-in flash light and auto-focus 5 mega pixel camera. This high resolution camera allows users to take photos and videos for proof of service. Its integrated GPS, Bluetooth 2.1+EDR, 802.11 b/g and 3.5G WWAN HSDPA broadband wireless connectivity options allow the device, point of service and proof of service to be positioned, tracked, traced and transferred from every location throughout the world.

### High performance GPS

The PA550 uses Ublox NEO-5Q professional GPS module with KickStart® technology to provide accelerated startup in weak signal environments.

SuperSense® technology delivers a seamless GPS experience in acquiring and tracking even extremely weak signals. With no direct view to satellites indoor, it empowers devices with reliable and uninterrupted operation.

### Sunlight readable LCD and high performance GPS

Thanks to Blanview® technology on the LCD screen excellent sunlight readability is delivered. The minimal power consumption and a large viewing angle of more than 80 degrees make the PA550 ideal for outdoor usage. A Smart Light Sensor also enables the LCD screen to detect the environmental lightness and to adjust the brightness in an intelligent way without manual configuration. These features combined with the form factor and latest modern communication technologies make the PA550 a unique device for today's and tomorrow's market.

### Main Features

- Rugged, compact PDA
- 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

## Operation System

CPU	Intel PXA320 806MHz
Memory	Mobile DDR: 256MB NaND Flash: 512MB
OS	Windows Mobile 6.5.3 Professional

## 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)

## Camera / Photos / Video

5.0 megapixel auto-focus camera with flash  
unitech MPEG-4 video codec (VGA resolution)

## Indicator

LEDs, Vibrator

## Barcode

1D Laser

## Symbologies

1D Barcode Engine  
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

## Audio

MIC, Speaker, Headset Connector, Receiver

## Expansion Slot

Micro SD Support SDHC

## Location

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

## Communication

USB	1.1 Host & Client
WLAN	IEEE 802.11b/g
PAN	Bluetooth 2.1 + EDR
WWAN	3.5G Five-bands ,GSM/GPRS 850Mhz , 900MHz , 1800Mhz and 1900Mhz ,UMTS WCDMA/HSDPA 50Mhz,1900Mhz ,2100Mhz / GPRS Edge

## Power Source

Main Battery	9.25 Watts (3.7V 2500MAH) Li-ion battery pack
Backup Battery	One rechargeable Ni-MH backup battery
Operation Hours	Up to 10 hours, depending on configuration and application

## Enclosure

Weight	320g
Dimension	Approximately 125mm x 82mm x 35mm (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% ~ 95% (non-condensing)
Drop Specification	1.2m (4 feet)
Sealing	IP54

## Software

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

## Accessories

Desktop USB Cradle with Battery charger  
Desktop Ethernet Cradle with Battery charger  
Main Battery  
USB communication and charging cable  
AC adaptor Universal Power Plugs  
Vehicle Cigarette Charger  
Mono 3.5mm Headset  
Car kit

## Regulatory Approvals

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



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