



PA550

Rugged Meets smartphone

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 Embedded Handheld 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 Embedded Handheld 6.5.3 Professional
- 1.2m drop threshold to concrete
- IP54 environmental sealing
- Long-lasting battery for extended device runtime



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PA550

Specifications

Operation System

CPU	Intel PXA320 806MHz
RAM	Mobile DDR 256MB
ROM	NaND 512MB
OS	Windows Embedded Handheld 6.5.3 Professional

Display

2.8" QVGA transfective color LCD with touch screen and backlight (Excellent sunlight readability, 80° viewing angle) - 135 DPI

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

3 Leds indicating Charging and Scanning
Vibrator

Integrated reading devices

1D Laser

Symbologies

1D Laser scanner
UPC-A/E, EAN-8/13, Codabar, Code 11, Code 32, Code 93 (full ASCII), Code 128, Interleaved & Std. 2 of 5, EAN 128, Delta, MSI/Plessey, Toshiba

Communication

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

Power Source

Main Battery	9.25 Watts (3.7V@2500mAh) Li-ion battery pack
Backup Battery	Date/Time retention - 2 hour - 18mAh
Operation Hours	1 scan/5 sec. - 7 hours

Audio

Speaker	0.8W - Mono
Headset Connector	3.5mm 4 pole; L/R speaker & mic
Receiver	Echo Cancelation
Microphone	

Expansion Slot

Micro SD Support SDHC up to 32GB

Enclosure

Weight	330g incl battery
Dimension	Approximately 125mm x 82mm x 35mm (Antenna length excluded)

Environmental

Operating temperature	-10°C to 50°C
Storage temperature	-20°C to 60°C
Relative Humidity	5% ~ 95% (non-condensing)
Drop specification	1.2 meter
Sealing	IP54

Software

Microsoft Visual Studio 2005/2008
Mobile SIP(VOIP)
Oracle Database Lite

12Manage & 12Solutions



In-house developed software to enhance device deployment and remote management. 12[want:to]Solutions including 12Manage improve system reliability, reduce service costs and ensure systems running smoothly.

More info: www.unitechnical.info

Accessories

Desktop USB Cradle with Battery charger
Desktop Ethernet Cradle with Battery charger
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



Unitcare's service program

UnitCare offers customers a high level of security by a reliable, high-quality and effective program for getting your devices serviced quickly. It also drives the hidden costs out of your installations. UnitCare goes beyond the standard warranty with a complete service offer for different need.

More information: www.unitcare.info

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