PA800
Tough, tougher, toughest

There are situations, countries or environments that demand so much more. In the event that people become part of these extreme scenarios they need tools and equipment to be able to perform the jobs they are intended to perform. Unitech's PA800 is the right tool at the right place when it comes to data identification in the most bizarre and ever-demanding applications you can imagine.

Brute force device
The PA800 is an ultra rugged industrial grade PDA and purpose-built for the most challenging applications. It features an amazing IP68 environmental sealing and 1.8 meter drop threshold. The PA800 will perform in the harshest environments such as forestry, mining, military and any rough field service or cold store logistics applications. Matching the MIL-STD-810 military standard for drops, vibration, humidity, altitude and extreme temperatures, the PA800 won't let your mobile worker down, no matter what.

Efficiency in any remote area of the world
The PA800 is equipped with a powerful 624MHz processor, GPS and 2.5G WWAN modem. It allows your worker to collect valuable data in the field, trace locations and send it instantly to the back office administrator or contractor, wherever they might be. In forestry the worker can identify which trees need to be cut down with reason why and location. Managers are able to track and trace valuable inventory such as loaders, tree cutters and other heavy duty equipment used in

the different target markets of the PA800. In the unlikely event that the worker has no data signal in the field, data can be stored on the PA800 and send to back office when a Wi-Fi hotspot is nearby, utilizing the safe CCX4-certified WLAN radio. Capable of resisting extreme temperatures of -30°C to 60°C and equipped with a large 3.5" VGA screen and laser barcode scanner, the PA800 is also very suitable to perform any job in cold storages or in very cold or hot mining areas.

Smooth operation
The PA800 comes with Windows Mobile 6.1 and 128MB RAM and 576 MB ROM internal memory, which smoothens operation of the device. To optimize productivity, the PA800 can be powered with a dual battery pack system for extended device uptime. This allows an operator to stay in business for a full day shift. The device also supports SDHC for increased storage capacity to safeguard your data. The robust designed keys ensure data is entered easily without costly errors.

Main features
• Operating temp. of -30°C to 60°C tested by the MIL-STD-810
• Marvell PXA270 624MHz processor and Windows Mobile 6.1
• All wireless options enabled with Bluetooth, GPS, WLAN and WWAN
• Large 3.5 inch VGA touch screen with heating system
• Dual battery pack system for extended device uptime
• Although rugged still only weighing 362 grams
  with size of 178.8mm x 87.4mm x 37.3mm

Windows Mobile®

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Operation System

CPU	Marvell PXA270 624MHz
RAM	SDRAM128MB
ROM	Flash ROM 576MB
OS	Mobile 6.1 Professional

Display

3.5" VGA Transflective color TFT, with Touch Screen & backlight. With heating system to ensure best performance at sub zero Celsius environment

Keypad

20 Keys, including function and numeric keys

Integrated reading devices

1D barcode scanner

Symbologies

1D Laser scanner
UPC-A/E, EAN-8/13, Codabar, Code 39, Code 39 full ASCI, Code 93,Code 32, Interleaved & Std. 2 of 5, EAN 128, Code 11, Delta, MSI/Plessey,Code 128, Toshiba

Communication

USB	USB 1.1 Host & Client
WLAN	Summit IEEE 802.111 b/g, CCX4 certified
PAN	Bluetooth 2.1+EDR
WWAN	eGPRS

Power Source

Main battery	8.14 Watts Li-ion battery pack (3.7V @ 2200mAH - Optional 4.000mAH
Backup battery	One rechargeable Ni-MH backup battery
Operation hours	Up to 12 hours

Audio

Mono speaker, mic and rugged headset connector

Expansion slot

Support SDHC up to 32GB

Enclosure

Weight	362g
Dimension	Approximately 178.8mm x 87.4mm x 37.35mm

Environmental

Operating temperature	- 30 to 60˚C (MIL-STD-810F, method 504.1, 502.4 Procedure II)
Storage temperature	- 40 to 70˚C
Relative humidity	5% ~ 95% (non-condensing) MIL-STD-810F, Method 507.4 (Humidity, 90%RH temp cycle -20/+60)

Drop test to concrete	1.8 meter (10 times to steel or concrete) or MIL-STD-810F, Method 516.5, Procedure IV 26 drops from 1.22m onto concrete, 6 additional drops at -30 ˚C), 6 additional drops at 60 ˚C
Environmental sealing	IP68 (Sand and Dust) MIL-STD-810F, Method 510.4 Procedure I,(Water) MIL-STD-810F, Method 512.4 Procedure I, Water Jet 12.5mm dia. @ 2.5 – 3m, 100 Liter/min.

Software

Microsoft Visual Studio 2008
Unitech PA800 SDK
Sysdev Kalypso 4 pre-installed solutions

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 smootly.

More info: www.unitechnical.info

Accessories

Single slot cradle
USB cable with DC in jacket
RS232 cable with DC in
Stretchable stylus
Standard Battery
Extended battery (4.000mAh)
Extension cable for 3.5mm headset
4-slots battery charger

Regulatory Approvals

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

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