



PA400

Rugged Industrial PDA

Unitech, a global provider of automatic identification and data capture technologies, is pleased to announce availability of the PA400 rugged industrial PDA. The PA400 offers extreme reliability and toughness for demanding environments, together with powerful data gathering technology, and all the flexibility of any other modern PDA.

Up-to-Date Technology

With Microsoft Windows Embedded Handheld 6.5, the PA400 offers an operating environment that is tried and tested, but still modern enough to support up-to-date features and apps. Users will be delighted to find the features they expect from the latest PDAs, such as an 8 megapixel digital camera, multi-touch 4.3 inch 480 x 800 pixel sunlight-readable screen, high speed WiFi, GPS, mobile internet and Bluetooth. The PA400 can also handle Microsoft Office documents.

Tough and Dependable

The PA400's rugged design is certified to IP68 for resistance to dust and water. Together with a huge operating temperature range of -30°C to 60°C, this makes it suitable for almost all environments. Other benefits of MIL-STD-810G testing include suitability for extremely high altitudes in excess of 12,000 meters.

Compared to competing rugged PDAs, the PA400 is lightweight and compact, weighing only 400g and measuring 155 mm x 82 mm x 25 mm. With its sturdy construction, the PA400 is certified to pass a 1.2M drop test.

Extensive Connectivity

Wide area wireless connectivity options include GSM, UMTS / HSPA+, GPRS and EDGE, for voice and mobile internet, making the PA400 a capable modern smartphone. Wired connectivity and expansion is provided by a USB socket and a MicroSD card slot which accepts cards up to 32GB.

As well as the 8 megapixel camera, sensors include an optional 2D barcode reader, for reading barcodes, QR codes and similar data. There's also an electronic compass, G-sensor, GPS, and light and proximity sensors.

Accessories include an external 3.3Ah battery pack, vehicle docking station, USB cable, power adapter with universal plugs, RS232 communication cable, USB host cable, and wrist strap.

The Unitech PA400 rugged PDA brings a new level of handheld power and ultra-tough design to demanding business applications and extreme environments, and it's available now.

Features

- Windows Embedded Handheld 6.5 operating system
- Ultra-Rugged Construction: IP68 rated, 1.2M drop and MIL-STD-810G certified
- Lightweight and compact design: only 400g
- Large 4.3-inch color TFT multi-touch sunlight-readable display
- Built in 2D scanner and 8 Megapixel camera
- Latest Bluetooth v4.0, GPS, Wi-Fi and wireless LAN 802.11 b/g/n tri-mode radios
- Wide Temperature Range: Operating: -30°C~ +60°C/ Storage: -40°C~ +70°C

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System Features

CPU	TI OMAP DM3730 1 GHz
Memory	512 MB RAM, 32GB eMMC Flash
OS	Windows Embedded Handheld 6.5
Languages support	Simp. Chinese, Traditional Chinese, English, French, German, Italian, Japanese, Korean, Russian, Spanish, or Portuguese (Brazilian)

Display

Multi-touch 4.3 inch Capacitive WVGA sunlight-readable
Gorilla® glass display. TFT (480 x 800 pixel)

Keypad

4 physical keys

Indicator

1 LED indicate charge/Message, Vibrator

Audio

Built-in microphone and speaker (that can output a SPL
of greater than 74dB at one meter at a test frequency
of 1000 Hz), record and playback utilities

Regulatory Approvals

CE, NCC, CCC, RoHS, WiFi b/g/n. Bluetooth

Accessories

External battery pack with the capacity of 3.3Ah
Vehicle docking station (Basic/Advanced)
USB communication cable
Power adapter with universal plugs
RS232 communication cable
USB host cable
Hand strap

Communication

Camera	8MP color with geotagging
External storage	MicroSD card slot (32GB)
USB	USB 2.0 OTG
WLAN	IEEE 802.11 b/g/n
Bluetooth	v2.1 + EDR
WWAN	UMTS / HSPA+, GSM / GPRS / EDGE UMTS Bands (WCDMA/FDD): 800/850/1900, AWS and 2100 MHz GSM Bands: 850/900/1800/1900 MHz (data and voice, Juno 5D only)
Other Sensors	GPS, e-compass, G-sensor, and Light & Proximity sensor
2D Barcode imager	Intermec EA31 with ED30 decoder

Power Source

Built-in battery	3.7 V, 3.3 Ah, 12.2 Wh, Lithium-ion polymer
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Enclosure

Weight	0.4 kg (0.84 lb) with battery
Dimension	15.5 cm x 8.2 cm x 2.5 cm

Environmental (MIL-STD-810G)

Operating temp.	-30 °C to +60 °C (-22 °F to +140 °F)
Storage temp.	-40 °C to +70 °C (-40 °F to +158 °F)
Humidity	90% relative humidity with temperatures between 30 °C and 60 °C (22 °F and 144 °F) Method 507.5, Procedure II
Sealing	IEC-60529 IP68
Drop	1.22 m (4 ft.), Method 516.6, Procedure IV, Transit Drop
Vibration	Vibration resistant, Method 514.6, Procedure I & II, Category 5
Altitude	4,572 m (15,000 ft) at 23 °C (73 °F) to 12,192 m (40,000 ft) at -30 °C (-22 °F) Method 500.5, Procedure I, II & III



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