PA520

Rugged Enterprise PDA

Unitech PA520 is a compact sized enterprise PDA that provides a comprehensive wireless platform since it integrated WiFi and Bluetooth communication, making it quick and easy to stay connected. Equipped with 1D / 2D imager, RFID reader, NFC and Windows embedded handheld 6.5 operating system all in a compact and durable form factor, this device is designed to empower the mobile workforce for daily jobs in sales automation and field service applications.

An ideal tool with scanning technology
PA520 is perfectly into the hand of user. Weighting just 220g, this compact size and lightweight handheld device is not only ease-ofuse by employee but also small enough to fit in the shirt pocket. A 3.5″ QVGA/VGA touch screen enables the operator to view clearly and an ergonomic alphanumeric keypad makes data entry simply. Equipped with multiple scan engines, this device can scan 1D/2D barcodes and RFID tags even if the codes are poorly printed. PA520 is an ideal tool providing the best data input convenience and comfort to users

Advanced wireless connections
The PA520 integrated Bluetooth 2.1+EDR, 802.11 a/b/g/n and Wi-Fi wireless connectivity allow the point of service to be positioned, traced and transferred from every location throughout the world. PA520 is truly an excellent device offers extension of mobility to significantly improve job efficiency.

Rugged compact enterprise PDA
Without doubt the PA520 features all ergonomic 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, high speed 800MHz processor and all modern wireless connectivity options. The PA520 has been carefully purpose-built to meet the critical needs of sales automation and field service applications, including 1.0m free drops and an IP42 sealing.

Standard and Medical version available!

Main features
- Microsoft Windows Handheld 6.5 OS
- Lightweight, slim and pocket size form factor
- Fingers operated 3.5″ flat-face Capacitive Multi-Touch screen
- Powerful CCX4 certified WLAN 802.11 a/b/g/n radio provides good roaming capability for real time communication.
- Various data reading options
  1D laser or 2D imager / HF RFID and NFC*
- Ideal solution for mobile workes within the retail, sales automation, hospitality and healtcare market.

*PA520MCA version only

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PA520 & PA520MCA

Operation System

CPU	TI AM3703 800MHz
Memory	512MB Mobile DDR RAM
	512MB NAND Flash
OS	Microsoft Windows Handheld 6.5 Classic
Languages support	English, Simp. Chinese, Traditional Chinese, Japanese, Spanish, German, French

Display

3.5" flat-face Capacitive Multi-Touch screen Transmissive TFT LCD QVGA 240×320. VGA 480x640 on request.

Keypad

22-key Numeric Keypad and 2 sides scanner trigger keys

Indicator

Two LED for charging and scanning

Symbologies

1D Laser Barcode Scanner (standard version only)
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, RSS expended, RSS Limited, RSS14.

2D Imager (optional)
1D codes
Australian Post, British Post, Codabar, Coupon Code, Code 11, Code 32, Code 128, Code 39, Code 93, Dutch, EAN13, EAN8, IATA 2 of 5, ISBT, Japanese Post, Kix code(nl), Matrix 2 of 5, MSI, Planet Code, Postnet, RSS14 expended, RSS14 Limited, RSS14, UPC A, UPC E, UPC E1, GS1-128 (UCC/EAN-128), Standard ZOF5(Discrete ZOF5), Trioptic.

2D codes
Aztec, Datamatrix, Maxicode, Micro PDF417, PDF417, QR Code, Composite CC-A/B, Composite CC-C, GS1-128 (UCC/EAN), TCL39, UPC Composite Mode.

RFID/HR Reader (PA520MCA version only)

Frequency:	13.56MHz
Tag Support:	ISO15693, ISO14443A , ISO14443B
	Support NFC

Audio

1W speaker 85 dB at 10cm

Communication

External storage	Support MicroSD memory card up to 32GB
USB	USB 2.0 Client and Host
WLAN	IEEE 802.11 a/b/g/n Summit Radio with Cisco Compatible Extensions (CCX) Version 4 certification
Bluetooth	Bluetooth 2.1 + EDR

Power Source

Main Battery	8.9 Watt-Hour 3.7V @ 2400mAh battery pack
Backup Battery capacity	Max. 2 hours

Expansion Slot

MicroSD	microSD slot with SDHC Support (up to 32GB)

Enclosure

Weight	220g (with battery)
Dimension	125.9mm x 25.0mm x 76.0mm

Environmental

Operating temperature	32°F to 122°F (0°C to 50°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Charging Temperature	32°F to 104°F (0°C to 40°C)
Relative Humidity	5% ~ 95% (non-condensing)
Drop test to Concrete	1.0 meter
Environmental Sealing	IP42

Software

Mobile SIP (VoIP)
Auto Installer
Unitech 12Manage

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: 12manage.unitech.eu or portal.unitech.eu.

Accessories

- Single Slot USB Cradle
- Battery
- USB communication and charging cable
- Power adaptor with universal plugs
- and many more

Regulatory Approvals

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

unitcare

Unitech'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: unitcare.unitech.eu.**

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