

PA600 HF

Mobile HF Reader



PA600 HF – RFID Reader for Multiple ISO Standards

The Unitech PA600 HF is a compact and rugged mobile computer with an integrated 13.56MHz High Frequency RFID reader. The PA600 HF innovatively supports ISO15693, ISO14443A and ISO14443B standards in a single device, making it ideal for RFID applications.

Supports a Range of Applications

Traditionally RFID devices only support one ISO standard, requiring a different device for each application, but the PA600 HF does it all by supporting multiple applications across a wide range of markets: transportation, education and healthcare.

As RFID technology evolves into a viable option to replace or complement traditional bar code systems, the need for versatility in a mobile computer has never been greater. Equipped with an RFID reader and 2D imager scanner, the PA600 HF is well suited to handle the demands of current and future data collection applications.

Seamless RFID Integration

The PA600 HF allows you to synchronize RFID data with existing business systems and databases using Oracle Database Lite and Microsoft BizTalk Server 2006. Support for Wavelink Avalanche enables easier management for wireless devices, which decreases cost and deployment time.

Lightweight, Ergonomic Design

The PA600 HF weighs just 11 ounces and is small enough to fit into your shirt pocket. Compact and lightweight, this robust little device is also equipped with a powerful 520MHz Intel processor and an IP64 rating against environmental ingress. The PA600 HF features an ergonomic design to fit perfectly in your hand. A full QVGA color touch-screen enables you to view scanned RFID tag information, while an 18-key alphanumeric keypad makes data entry simple and easy.

Main Features

- Supports three ISO standards in one device: ISO15693, ISO14443A, ISO14443B
- Windows Mobile 5.0 or Windows CE 5.0
- Integrated HF RFID Reader, 2D Imager Scanner, Keypad and Touch-screen
- Built-in Bluetooth and WLAN
- IP64 rated
- SDIO expansion slot
- Full range of accessories and chargers
- Supports Oracle Database Lite, Microsoft BizTalk Server 2006 and Wavelink Avalanche

Internal Performance

OS	Windows CE 5.0 Windows Mobile 5.0
CPU	520MHz Intel PXA270 Processor
Memory	SDRAM: 64 MB Flash ROM: 320 MB

External Characteristics

Dimension	5.89"H x 3.5"W x 1.31"D
Weight	10.9 oz., 11.1 oz. w/ battery
Display	3.5" color QVGA (240 x 320 pixels) Backlit touch-screen, transreflective TFT-LCD
Keypad	18-key alphanumeric keypad (includes function key)
Indicator	LED, Audible Beeper
Audio	MIC, Speaker, Headset Connector

Bar Code Scanner

2D Imager	Code 39, JAN / EAN / UPS, 2 of 5, Code 128 Code 93, Codabar, PDF417, Micro PDF, Datamatrix, QR, Micro QR, Maxicode, and more
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RFID Reader

Frequency	13.56MHz
Tag Support	ISO15693, ISO14443A, ISO14443B

Battery and Power

Main Battery	3.7V Li-Ion 2200mAh rechargeable battery pack
Battery Life	4.5 to 14 hours (configuration-dependant)
Extended Battery	Ni-MH rechargeable battery
Charging Time	4 hours (via charging cable or docking station)
Docking Station	USB cradle with spare battery charging function
Power Input	5V AC adapter

Communication

Batch	USB Host and Client
Wireless	Bluetooth, Bluetooth ActiveSync, 802.11b/g

Connection & Expansion

SDIO Slot

Field Environment

Drop Threshold	4'
Environmental Sealing	IP64
Relative Humidity	5% ~ 95% (non-condensing)
Operating Temperature	32°F to 122°F (0°C to 50°C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)

Software

Unitech Software Development Kit
Oracle Database Lite
Wave link Avalanche
Microsoft BizTalk Server 2006 R2

Regulatory Approvals

CE, FCC, BSMI, VCCI, CCC, RoHS compliant

Accessories

Cables	USB Type A interface USB Type B interface USB Combo – charging/communication USB to RS232
Cradles	4-Bay Ethernet 1-Bay USB
Carrying Case	Includes belt clip and shoulder strap
4-Bay	Battery Charger
Desktop Cradle	Extended Battery
Holster	Vehicle Quick Charging Cable
Vehicle Dock	
AC Power Supply	
Stylus and Strap	

In The Box

PA600 HF, USB Cable, AC Adapter, Stylus, Battery, Digital Manuals, Unitech Software Development Kit



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