



# PA690

## See more

It's never easy to be the successor of something that brought great value to many types of businesses. But the PA690 has what it takes. It will perform every task it's been asked for....only better!

### Screen size does matter!

This mobile computer has what it takes to make the difference in your applications. Complete in every important aspect a modern PDA should bring to businesses, unique in features that bring just that little bit of extra. Unlike the industry's standard touch screens of today, PA690 offers a large 3.8 Wide VGA outdoor LCD for the future of tomorrow. This brings massive user benefits in basically any application. Order taking has never been so easy and straightforward. Multi-tasking is not only designated to human beings. PA690 can show the mobile worker both the latest customer data as well as route directions to the point of service, in one single screen view.

### Everything a mobile worker needs

Mobile workers need tools to facilitate their daily job. Mobility solutions should reduce the administrative burden, show the shortest route to the customer and be easy to work with. The PA690 covers all of these demands. Whether you want to track and trace your containers in the field or collect reliable meter data. The PA690 encompasses all modern technologies that bring the efficiency you are looking for. With its 802.11 a/b/g Wifi radio and 3.5G modem the PA690 makes sure the mobile worker can perform both inside and outside the four walls. Extra flexibility can be added by connecting third party hardware such as mobile printers by utilizing the Bluetooth connection. Proof of

service or condition has never been taken so clearly because the PA690 has a 5.0 mega pixels camera with autofocus and flash light. Route directions to any ad hoc service requests are handled efficiently by the U-blox 6 GPS supporting AssistNow® AGPS and GALILEO system.

### Earn back your investment... fast!

Merging mobility solutions into your business processes is not only about the initial investment. Choosing the PA690 is a guarantee that the chance on unexpected costs is reduced to a minimum. With its IP65 rating and drop test to concrete of 1.5 meter, the rugged PA690 offers the durability that you expect from an industrial grade PDA. A very rich set of accessories, including a gun grip and car kit solution, adds up to the total amount of efficiency the PA690 brings to your business.

### Main features

- 3.8" Wide VGA outdoor LCD
- 5.0 megapixels camera with autofocus and flash
- 1D laser scanner reads all common barcodes
- Optional 2D imager and RFID reader
- Dual mic with echo cancellation and noise reduction
- All latest wireless technologies such as GPS, Wifi and WWAN
- 2.200mAH battery and an optional 4.000mAH battery
- 1.5m drop test to concrete, IP65
- Rich set of accessories such as 4-slot Ethernet cradle, gun grip, car kit and head set



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# PA690

## Specifications

### Operation System

CPU	Intel PXA320 806MHz
RAM	Mobile DDR 256MB
ROM	NaND 512MB
OS	Windows Embedded Handheld 6.5 professional version (phone version) Windows Embedded Handheld 6.5 classic version (non phone version)

### Display

3.8" WVGA Transflective color LCD with backlight - 246 DPI

### Keypad

QWERTY or Numeric keypad

### Camera / Photos / Video

5.0 megapixel auto-focus camera with flash  
Unitech MPEG-4 video codec

### Indicator

3 Leds indicating Scanning, Bluetooth and GPRS  
Vibrator

### Integrated reading devices

1D Laser, 2D imager, HFRFID

### 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

2D Imager  
1D codes  
Various postal codes, Codabar, Code 11, Code128/EAN 128, Code 39, Code 93, Kix code, EAN13, EAN 8, IATA 2 of 5, ISBT, Matrix 2 of 5, MSI, Planet, Postnet, RSS, UPC A, UPC E, UPC E1

2D codes  
Aztec, Codablock F, Code 49, Datamatrix, EAN-UCC Composite, Maxi-code, Micro PDF417, OCR, PDF417, QR Code, Tcif Linked C39

HFRFID  
HF 13.56MHZ supports ISO15693, ISO14443 A/B

### Communication

USB	USB 1.1 Host & Client
WLAN	IEEE 802.11 a/b/g CCX4-certified
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 6 GPS supporting AssistNow® AGPS and GALILEO system

### Power Source

Main battery	8.14 Watt-Hour 3.7V @2200mAh 14.8 Watt-Hour 3.7V @4000mAh
Backup battery	Date/time retention - 2 hours - 18mAh
Operating time	1scan/5 sec. - 5 hours

### Audio

Speaker	1W - Mono
Headset Connector	3.5 mm 4 pole; L/R speaker & mic
Receiver	
Microphone	Dual, with echo cancellation and noise reduction

### Expansion Slot

Micro SD Support SDHC up to 32GB

### Enclosure

Weight	390g with 2200mAh Battery 430g with 4000mAh Battery
Dimension	Approximately 177.66mm x 74.58mm x 40.41mm (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	1.5 meter
Sealing	IP65

### Software

Mobile SIP  
Microsoft Visual Studio 2005/2008  
Auto Installer

### 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](http://www.unitechnical.info)**



### Accessories

Desktop USB Cradle with battery charger  
Desktop Ethernet Cradle with battery charger  
4 slot Multi-Bay Ethernet Cradle  
Gun grip  
4 slot battery charger  
Universal Power Supply  
Li-Ion double battery pack 3,7V 4.000mAh  
USB communication and charging cable  
RS232 communication and charging cable  
Vehicle Cigarette Light Charger  
Belt Holster  
Headset  
Stylus

### 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](http://www.unitcare.info)**

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