

PA980

Ultra Rugged Mobile Computer



Ultra rugged: Low temperature -30°C and IP67

Is your application demanding a terminal which is robust, and low temperature resistant? The new Unitech PA980 is the answer to your demands!

The Unitech PA980 is a compact and robust mobile computing terminal designed for maximum durability and ruggedness. The PA980 is compliant with IP67 which means that it is totally dust protected and also protected against the effects of temporary immersion between 15cm and 1m for the duration of 30 minutes. Besides IP67 the PA980 has extra value by having an internal intelligent heater system so that the unit can be used in applications where the operating temperature is between -30°C ~ 50°C.

This makes the PA980 ideal for mobile use in harsh environments and operation requirements that include under water submersion up to one meter.

This high-end industrial terminal was specifically designed for mobile use in such applications as cold storage, transportation of frozen goods, forestry and shipyard, container port as well as many others.

The PA980 offers durability and endurance

Besides the IP67 rating and the operating temperatures the terminal is designed to withstand multiple 4 ft drops to a concrete floor. In addition to these features the terminal comes with a large touch screen display and a 22-key keypad. The keypad is watertight and has high visibility backlit keys that allow the user to operate the terminal with gloves and in dim light conditions.

The double cell battery pack (7.4V 1700mAh) supports operations up to 12 hours (using the terminal in an environment with a low operating temperature -25°C the battery can support operations up to 4 hours). An additional battery (7.4V 1700mAh) can be supplied via the gun grip to extend its operation hours.

Versatile design for Data Input – Anytime, Anywhere

Next to the large display and 22-key keypad the terminal is equipped with a built-in scanner capable of reading industry standard barcodes. The PA980 is either equipped with a WA or a long range scanner which has a reading distance up to 5 meters. Need to go wireless? The standard PCMCIA (type II) slot allows flexible and on-demand integration of technologies to realize your WLAN or WWAN solution.

Main Features

- Microsoft WinCe.Net 4.2 Professional Plus
- Intel StrongARM 206 Mhz
- Double cell rechargeable Li-Ion battery pack 7.4V 1700mAh
- 1 PCMCIA type II for memory expansion (W)WLAN, GSM/GPRS
- 1 internal CF type I/II
- IP67, totally dust protected as well as protected against the effects of temporary immersion between 15cm and 1m for the duration of 30 minutes
- Operating temperature -30°C ~ 50°C
- 240 x 320 monochrome LCD with EL backlight
- Internal heater
- 4ft drop to concrete floor
- Optional add on gun grip (plus 2nd battery)

Processing & Memory

Intel® SA-1110 206MHz
64MB SDRAM
32MB Flash ROM

Operating System

Windows® CE.NET 4.2 Professional Plus

Keyboard

22-key watertight rubber keys Alpha via mobile phone style "triple tap"
Scan Buttons
Two side located scan trigger buttons
Keypad EL backlight

Display & Touch Screen

240 x 320 (indoor/outdoor) monochrome
With backlit with touch screen
Optional display heater

Optional Gun Grip

Gun grip handle with scan trigger, with internal Li-Ion battery for extended battery applications.

Barcode Scanning

Integrated liner bar code scanner

Barcode Symbolologies

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

LED Indicator

1 Dual color (green/red) LED

Power Supply & Management

Rechargeable Li-Ion 7.4V @ 1700mAh main battery,
Optional rechargeable Li-Ion 1700mAh gun grip handle battery
Rechargeable Li-Ion backup battery, 3.7V @ 580mAh.

Interfaces

IrDA (SIR) communication port

COM 1: For cradle communication. One charging indication output pin, one external 12V/2A power supply input pin, one ground pin and 9 pins for full RS232 signals

COM 2: For cable communication. One 5V external power output pin, one external 12V/1A input pin for power supply and one ground pin and 9 pins for full RS232.

Expansion

PCMCIA Type II slot

Enclosure

Dimension
PA980 terminal without gun grip
221,3mm (L) x 99,5mm (W) x 52,3mm (H)

PA980 with gun grip
221,3mm (L) x 99,5mm (W) x 177,5mm (H)

Weight

PA980 terminal without gun grip:	700g
PA980 with gun grip:	900g

Environmental

Operating temperature:	-30°C ~ 50°C
Storage temperature:	-30°C ~ 70 °C
Charging temperature range:	0°C ~ 40 °C
Drop specification:	4 feet to concrete
Dust & Water protection enclosure rating:	IP67

Regulatory

CE, FCC, BSMi

Versatile models

PA980-020AB	SA206,32/64MB,no Laser, CE.net
PA980LR-920AB	SA206,32/64MB,LR Laser,CE.net
PA980-920AB	SA206,36/64MB,STD Laser,CE.net

Accessories

5100-601126	Desktop Cradle for PA98x
5500-601125	Gun Grip with integrated 2nd Main Battery Pack for PA98x
1010-600381	Power supply switching, 12V/2A
1010-600748	EU Power cord needed for 1010-600381
1010-600749	UK Power cord needed for 1010-600381



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