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PT600
Portable Data Collection Terminal

The PT600 is an ergonomic, rugged, and lightweight hand held terminal. It weighs only (245 g) and withstands 4-feet drops to concrete floor. Memory up to 4.5 MB makes it suitable for demanding applications which require large programs and data files, meeting requirements for couriers, retail, asset tracking, warehouse management, and many more.

Laser scanning options include standard, high density (HD) for reading ultra fine bar code labels, and high visibility (HV) for reading bar code under direct sun light. There is also an optional configuration with a built-in wand. Ideal for low volume or budget-sensitive applications.

User friendly design

The high resolution, backlit LCD display offers a choice of 8x16 or 4x12 text mode, wich supports international character sets. A 100x65 pixels graphic mode is also supported. The 26-key rubber keypad and a conveniently placed scanner trigger allow one-handed operation.

Sophisticated power management automatically activates standby and shut-off modes to conserve the battery power. A 30-minute low battery warning provides users ample time to recharge the battery.

A DOS compatible operating system enables system integrators to develop programs using industry standard C compilers. Unitech offers, free of charge, a Windows library for C, C++, Visual Basic, Visual FoxPro, and Delphi. This powerful library enables system integrators to easily modify existing host applications to interface with the PT600.
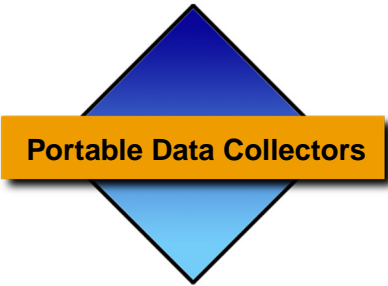
Communications

An RS232 port allows data transfer to and from the terminal. It can also be used to send information to a portable printer. An optional communications cradle includes a spare battery charger and an additional RS485 port, which provides networking of up to 32 units.

Features:

- DOS compatible operating system.

- On-board, menu-based programming.

- Convenient one-handed operation.

- Supports multipoint networking of up to 32 terminals (requires cradle).

- Soft charging pads.

- Optional built-in scanner or snap-on scanner module.

- Large backlit LCD display.

- One-handed operation.

- Firmware is field-upgradeable.

- Supports industry standard C development.

- Powerful Windows-based programming.

- Applications can be stored in the unit's FlashROM.

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Portable Data Collectors

PT600 Portable Data Collection Terminal

An infrared interface and soft-contact charging pads ensure durability and ease-of-placement in the cradle. There is also an optional internal modem.

Software Tools and Development

The PT600 comes with PT Comm Manager, a Windows-based, communication program. The user interface supports drag-and-drop and will automatically detect the portable. Also included is **JobGen Lite**, a program generator that lets users create an application by visually drawing a flow chart.

FormCaching, an on-board, menu-based interface allows users to design simple applications. It is only a matter of defining prompts, fields, separators and their attributes. And for those who need more control and data processing power, **JobGen Plus** is the right tool. It requires no programming experience and includes on-screen simulation that saves valuable debugging time.

Free utilities and a demo version of JobGen Plus can be downloaded from **www.unitech-adc.com**.

SPECIFICATIONS	
SYSTEM:	
CPU	16-bit NEC V25 microprocessor
RAM	512 KB to 4.5 MB SRAM
FlashROM	256 KB (DOS compatible system and user application)
Keypad	26 rubber keys, 4 programmable keys
Buzzer	Adjustable volume (software or Hotkey)
Real time clock	System date and time, Y2K compliant
LCD	Backlit, 4x16 / 8x20 text mode, 100x65 pixels graphic mode
BAR CODE INPUT	
Scanner	Built-in laser diode scanner, or optional bar code wand
Symbologies	UPC-A/E, EAN-8/13, Codabar, Code 39, Code 39 full ASCII, Code 128, I 2 of 5, Code 93, EAN 128, China postal code, ITF
COMMUNICATION	
Interface	RS232C with RJ45 connector and infrared port
Baud rate	up to 57600 bps
File transfer	Built-in Kermit sever
BAR CODE SCANNER:	
Scan rate	36 scans/sec
Skew tolerance	+65 from normal
Pitch angle	+55 from normal
Depth of field	5 mils - 1.0 to 4.7" 7 mils - 3.8 to 7.3" 10 mils - 3.0 to 10.6" 15 mils - 2.0 to 13.9" 20 mils - 2.9 to 16.9" 40 mils - 4.2 to 21.6" 50 mils - 5.8 to 23.3"
ELECTRICAL:	
Main battery	reachargeable NiMH battery pack, 1500 mAH
Backup battery	Lithium CR2032
Power management	Auto shut-off and low battery warning for main and backup batteries
Consumption	60mA in Active mode 17mA in Standby mode
Input	9V DC, 1A via serial cable or cradle
PHYSICAL AND ENVIRONMENTAL	
Dimensions	6.93 x 2.04/2.44 x 1.06/1.38" (176 x 52/62 x 27/35 mm) L x W x H
Weight	Approximately 245 g with battery pack
Temperature	Operation: 32°F-122°F (0°C-50°C) Storage: -4°F-158°F (-20°C-70°C)
Humidity	5-95% RH non-condensing
DOCKING STATION (PT016)	
Interface	Infrared interface between PT600 and cradle. One RS485 port for RS485 networking. One RS232 port for point-to-point communication.
Power charging	AC Power adapter Soft-contact charging pads, spare battery quick charger
Power input	AC adapter, 9V DC, 1A