PT 860
Portable Data Collection Terminal

The Portable Terminal model PT-860 is a rugged, compact and light-weight handheld computer with a 16-bit CPU, up to 512 KB RAM storage, backlit graphic LCD, keyboard and RS232 interface. The PT-860 incorporates an emulated MS-DOS system that provides users a PC/AT compatible environment to develop and use the application sottware. This versatile handheld computer is suitable for a wide range of automatic identification applications like item tracking, inventory control, job cost analysis, production control, quality control, order entry, van sales, record-keeping, shipping & receiving, video tape rental and data processing out in the field.

The PT-860 also supports bar code scanner interface to read bar code labels and is ideal for applications with bar code input. The PT-860 operates by use of either a rechargeable NiCd pack or four AA alkaline batteries, and the system also incorporates a power management circuit with active, standby and shutdown modes to efficiently control power consumption. A lithium backup battery protects data stored in the RAM when the power from the main battery has been used up or removed.

unitech   PT 860 Specifications

Main Features:
- 128 x 64 pixel graphic LCD with backlighting, 128-512K user memory and real time clock
- MS-DOS emulation operating system
- Embedded system diagnostics and barcode decoding software
- Menu driven system operation
- System resumes from the last turn-off point
- Full alphabetic keyboard with separate numeric keypad
- Automatically accepts barcode input from wand or laser diode scanner
- Audio buzzer for feedback of key-pressing and barcode reading
- Operates via a NiCd battery pack or 4 AA alkaline batteries
- Low power consumption with efficient power management

- Onboard lithium battery for data retention
- Recharging circuit of NiCd battery pack with protection from accidental recharge of alkaline batteries
- Power low indication for main battery and backup battery

Application Development Tools:
- JobGen Pro - A PC-based high-level application generator
- MicroSoft C - C language compiler

Accessories:
- Charge & communication cradles
- Scanner Wand, CCD, Laser diode, Slot reader
- NiCd battery pack
- AC power adaptor
- RS232 cable
- Shoulder strap
- Carrying case

Memory/ Operation System

CPU	16-bit 8088 instruction compatible microprocessor
RAM	128/256/512 KB CMOS SRAM
ROM	128 KB with DOS emulator, file transfer utility and diagnostic programs
Keyboard	49 alphanumeric rubber keys with 9 programmable function keys
Display	128 x 64 bit map Liquid Crystal Display; 20 character x 8 line in text mode by 5 x 7 character font
Backlight	Electro Luminescent (EL) lighting display
Buzzer	Volume adjustable by software setting
Real Time Clock	System date and time

Power Management

Power	4.8V 700mAH NiCd battery pack or four AA alkaline batteries; with power low indication
Backup	3V 190 mAH Lithium battery; with power low indication
Consumption	30mA average operating current (scanner excluded); with efficient power management circuit

Scanner and Barcode

Scanner	Supports Wand, Slot reader, CCD and Laser diode scanners
Barcode Reading	UPC-A/E, EAN-8/13, CODABAR, Code 128, I2 of 5, Code 39 Full ASCII
Interface	Dsub 9-pin male connector with squeeze-and-release locking

Communication

Format	Asynchronous, 7/8 data bits, even/odd/mark/space/none parity
Baude Rate	300/1200/2400/4800/9600/19200 bits per second
Handshaking	Xon/Xoff, CTS/RTS
Protocol	ACK/NAK, Multipoint and Null communication protocols
File Transfer	Built-in Kermit server in system ROM
Interface	EIA RS232 with Dsub 9-pin male connector

Physical and Environment

Dimensions	203mm x 90mm x 45mm/38mm (8.0" x 3.5" x 1.8"/1.5") L x W x H
Weight	Approximately 510g (18 oz) with battery
Temperature	Operation: 0°C ~ 50°C (32°F ~ 122°F) Storage: -20°C ~ 70°C (-4°F ~ 158°F)
Humidity	5% ~ 95% RH (non-condensing)