The PHL 1300 is the smallest (132x55x33mm by dimensions) among the PHL terminal series. It has an integrated bar code laser scanner. Features are: 16 bit MPU, 8MB memory, graphic LCD display, multi functional keypad and IrDA interface.

HANDHELD TERMINAL

PHL 1300

Pocket handheld terminal

Features

- Laser scan engine

- Pocket size and light weight

- 8 MB Memory available

- Rechargeable battery pack or Alkaline batteries

- IrDA interface

- Keypad with cellphone look and feel

Benefits

- Enables touch- and variable distance reading

- Easy to carry

- Enables continuous working

- Long life battery

- Easy optical data transmission

- Less instructions required

Cabled   **Wireless**   Stationary   OEM

OPTICON
always scanning for new ID's

Specifications

PHL 1300 Pocket handheld terminal

Electrical specifications

Main battery pack: Lithium-Ion rechargeable (Opticon item)

Main dry cell battery: Alkaline AA-size batteries (optional user item)

Main battery pack operating time: When making every 5 seonds 1 scan with 1 sec laserbeam on and 0.2 sec. green LED on and 0.2 sec. buzzer on, operating time is: approx. 36 hours.

Main dry cell battery operating time: When making every 5 seconds 1 scan with 1 sec laserbeam on and 0.2 sec. green LED on and 0.2 sec. buzzer on, operating time is: approx. 78 hours

Main battery condition: Different operation conditions affect the operating time. Use of other penlite batteries affect the operating time.

Backup battery: Lithium (CR2032)

Backup battery operating time: 3 weeks backup time

Battery management: Low voltage indicated on the terminal display. When battery is low the terminal switches off automatically.

Charging method: Recharging Lithium-Ion pack in terminal via cradle

Optical specifications

Light source: 650 nm visible laser diode

Scan method: vibrating mirror

Scan rate: 100 scans/sec

Decode rate: 100 decodes/sec

Reading width: min. 40 mm

Min. Resolution at PCS 0.9: 0.15 mm (6mil)

Min. PCS value: 0.45

Depth of field: 70 - 380 mm (at PCS 0.9, resolution 1.0 mm)

Identification

Supported barcode symbologies (1D): Chinese Post 2of5 - Codabar incl. ABC and CX - Code 39 - Code 39 Full ASCII - Code 93 - Code 128 - EAN-8 incl. +2,+5 - EAN-13 incl. +2,+5 - IATA - Industrial 2of5 - Interleaved 2of5 - Italian Pharmaceutical - Matrix 2of5 - MSI/Plessey - UK/Plessey - S-Code - Telepen - TriOptic - UPC-A incl. +2,+5 - UPC-E incl. +2,+5

Functionality

Memory ROM: 32 kB

Memory FlashROM: 2 x 256 kB (total 512 kB)

Memory fastRAM: 2 kB

Memory RAM: 8 MB battery backed up D-RAM (for data storage)

Microprocessor: 16-bit

Real time clock: Quartz RTC, time and date programmable, leap year handling, (accuracy +/- 60 sec./month)

Display: 96 x 64 Pixels graphic LCD with backlight

Character fonts: 5/10 lines x 16 characters

Indicators: Piezo buzzer / Good read LED (red/green)

Keyboard : 19 keys total (18 keys user definable)

Keyboard mode: Alpha/Numeric mode

Programming: Functionality is provided by user application. The application may be downloaded from PC via cradle.

Communication specifications

Interface RS232: supported by cradle

Interface IrDA: supported on terminal

Interface RS485: supported by cradle

Transmission speed: baudrate: 2400 - 115200 bps

Environmental specifications

Temperature in operation: -10 - +40 °C

Temperature in storage: -20 - +60 °C

Humidity in operation: 20 - 80 % (non condensing)

Humidity in storage: 20 - 90 % (non condensing)

Ambient fluorescent light immunity: 3.000 lux max.

Ambient direct sun light immunity: 50.000 lux max.

Shock packed drop test: 1.5 m drop onto concrete surface

Shock vibration test: 10 - 50 Hz with 1G for 30 min, cycle for X,Y,Z

Physical specifications

Dimensions: (l x w x d) 132 x 55 x 33 mm

Case material: ABS

Weight body: ca. 170 g (incl. battery, depending on battery type)

Regulatory

Laser safety class: IEC 825, Class I laser product

EMC: EN 55022, EN 55024