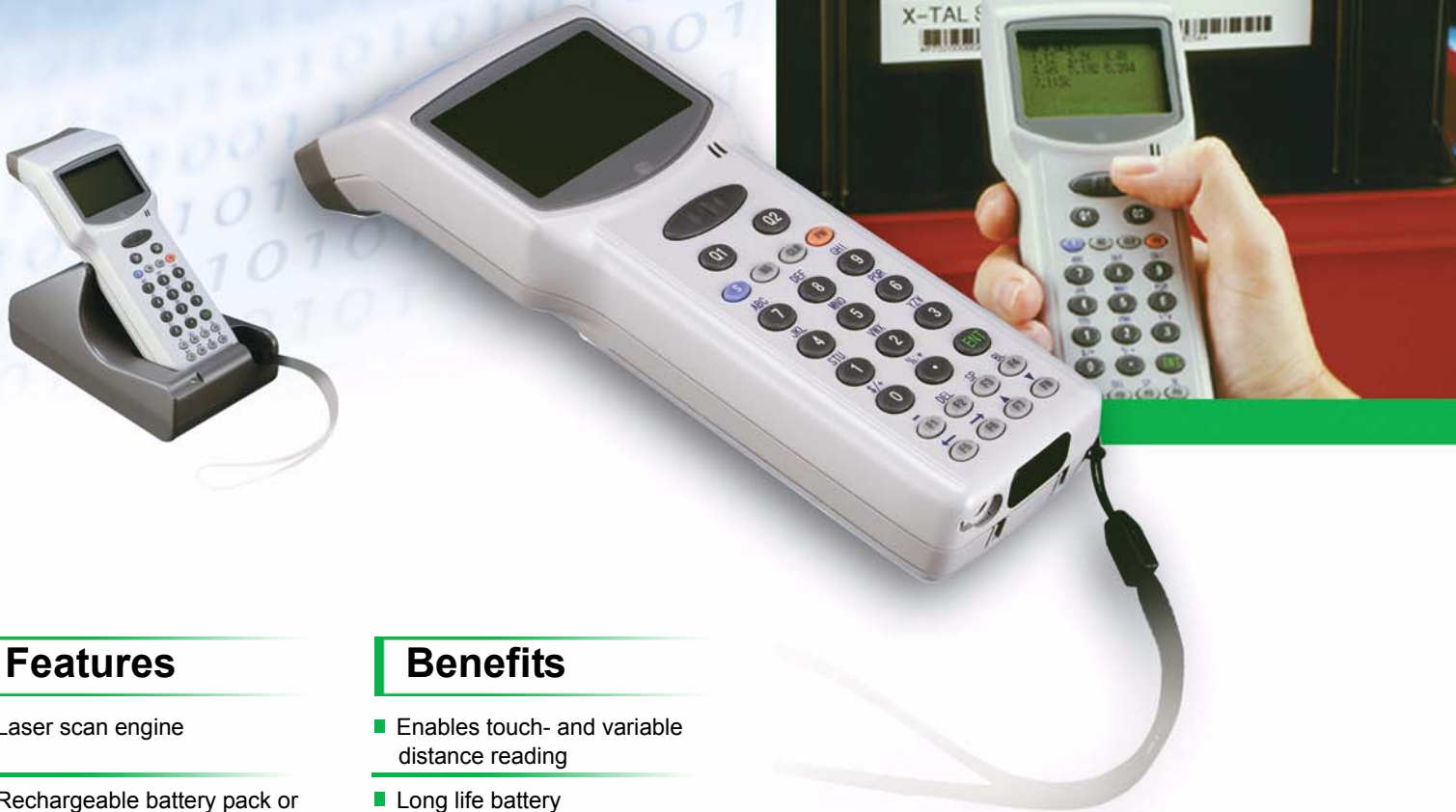


The PHL 2700 handheld terminal has an integrated bar code laser scanner. Features are: 16 bit MPU, 8 MB memory, graphic LCD display, alpha-numeric keypad, 8 function keys and IrDA interface.

HANDHELD TERMINAL

PHL 2700

Handheld terminal



Features

- Laser scan engine
- Rechargeable battery pack or Alkaline batteries
- 8 MB Memory available
- Graphic display
- IrDA interface

Benefits

- Enables touch- and variable distance reading
- Long life battery
- Enables continuous working even with large data storage
- Enables advanced applications
- Easy optical data transmission

Cabled

Wireless

Stationary

OEM

OPTICON
always scanning for new ID's

Specifications

PHL 2700 Handheld terminal

Electrical specifications

Main battery pack: NI-MH rechargeable
Main dry cell battery: Alkaline penlite
Main battery optional: 2 x AA-size
Main battery pack 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. 40 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: If fully charged: 30 days backup time
Battery management: Low voltage indicated on the terminal display. When battery is low the terminal switches off automatically.
Charging method: Rechargeable NI-MH pack in terminal via cradle

Optical specifications

Light source: 650 nm visible laser diode
Scan rate: 100 scans/sec
Decode rate: 100 decodes/sec
Reading width: 62 mm at 30 mm, 111 mm at 100 mm
Min. Resolution at PCS 0.9: 0.15 mm (6mil)
Depth of field: 0 - 140 mm (at PCS 0.9, resolution 0.25)

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: 512 kB (for O/S and program storage)
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: 128 x 64 Pixels graphic LCD with backlight
Character fonts: 4/8 linesx16 characters, 5/10 linesx21 characters
Keyboard : 27 keys total (26 keys user definable)
Keyboard function keys: 8 Function keys
Keyboard mode: Alpha/Numeric mode
Programming: Functionality is provided by user application. The application may be downloaded from PC via cable, com port or IrDA.

Communication specifications

Interface RS232: supported by cradle or optional supported by direct cable
Interface IrDA: supported on terminal
Transmission speed RS232: 1200 - 115200 bps
Transmission speed IrDA: 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 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
Protection (dust and moisture, IEC529): IP 42

Physical specifications

Dimensions: (l x w x d) 177 x 62 x 41 mm
Case material: ABS
Weight body: 175 g (excl. battery)
Connector RS232: DB9 female

Regulatory

Laser safety class: IEC 825, Class I laser product
EMC: EN 55022, EN 55024

Copyright Opticon Sensors Europe B.V. All rights reserved. This information is subject to change without prior notice. 4/26/05

- **The Netherlands:** Hoofddorp
- **France:** ISSY Les Moulineaux CEDEX
- **Germany:** Mainhausen
- **Italy:** Castel Maggiore (BO)
- **Spain:** Valencia
- **Sweden:** Järfälla
- **United Kingdom:** Luton, Bedfordshire
- **U.S.A.:** Orangeburg
- **Japan:** Warabi City

- **Taiwan:** Taipei
- **P.R.China:** Shanghai
- **Australia:** Lane Cove

Opticon Inc.
8, Olympic Drive
Orangeburg NY 10962 - 2511
U.S.A.
phone: toll free: 800-636-0090
local: 845-365-0090
fax: 845-365-1251
email: opticon@opticonUSA.com
internet: www.opticon.com

www.opticon.com

OPTICON
always scanning for new ID's