



This ruggedized terminal is equipped with Windows CE™ operating system. It has an integrated barcode laser scanner. Features are: 400Mhz Intel CPU, 64 MB FlashROM, 128 MB SDRAM and full colour 3.5" LCD display. For data exchange W-LAN, GSM/GPRS, or Bluetooth can be chosen.

TERMINALS

PHL 7000

Ruggedized terminal



Features

- Windows® CE .NET 4.2 Operating System
- Open architecture
- Optionally built-in 3 in 1 Communication
- Integrated scanner
- IP54 Certificated, IP64 Compliant

Benefits

- User friendly Windows compatible environment
- User accessible 1 SD slot & 1 CF or PCMCIA slot
- WiFi(802.11b) + Bluetooth + GSM/GPRS options
- Standard barcode scanner, optional 2D or RFID scanner
- Ruggedized

Cabled

Wireless

Stationary

OEM

OPTICON
always scanning for new ID's

Specifications

PHL 7000 Ruggedized terminal

Electrical specifications

Main battery: Standard Li-Ion battery pack, 3.7V DC, 3000mAh, Optional High Capacity Li-Ion battery pack

Backup battery: 1 rechargeable backup battery

Battery management: 1 battery cover sensor switch

Charging method: Built-in battery charger by power adapter (110~240V AC / 50/60Hz input, 5V DC / 2.6A output)

Optical specifications

Light source: 650 nm visible laser diode

Scan method: vibrating mirror

Scan rate: 100 scans/sec

Decode rate: 100 decodes/sec

Reading pitch angle: +35 - +0°, 0 - -35°

Reading skew angle: -8 - -50°, +8 - +50°

Reading tilt angle: +20 - +0°, 0 - -20°

Curvature: R>15 (EAN8), R>20 (EAN13)

Min. PCS value: 0.45

Depth of field: 70 - 650 mm / 2.76 - 25.59 inches (UPC PCS0.9, resolution 1.00), 50 - 420 mm / 1.97 - 16.54 inches (UPC PCS0.9, resolution 0.5), 50 - 260 mm / 1.97 - 10.24 inches (UPC PCS0.9, resolution 0.25), 50 - 150 mm / 1.97 - 5.91 inches (UPC PCS0.9, resolution 0.15), 60 - 120 mm / 2.36 - 4.72 inches (UPC PCS0.9, resolution 0.127)

Identification

Supported barcode symbologies (1D): JAN/UPC/EAN/Add-on - NW-7 / Codabar - Chinese post matrix 2of5 - Code 11 - Code 39 - Code 39 Full ASCII - Code 93 - Code 128 - IATA - Industrial 2of5 - Interleaved 2of5 - Italian Pharmaceutical - ISBN - ISMN - ISSN - Korean Postal Authority code - Matrix 2of5 - MSI/Plessey - UK/Plessey - RSS-14 (with CC-A/B) - RSS Limited (with CC-A/B) - RSS Expanded (with CC-A/B) - Telepen - Tri-Optic - UCC/EAN-128 (with CC-A)

Supported 2D code symbologies: MicroPDF417 (including Composite Component A and B) - PDF417 (including Composite Component C)

Supported RF tags: inform for the possibilities with optional RFID scanner

Optional symbologies: Supported barcode (1D) and 2D code symbologies with optional 2D scanner: JAN/UPC/EAN/Add-on - NW-7 / Codabar - Code 39 - Code 39 Full ASCII - Code 93 - Code 128 - IATA - Industrial 2of5 - Interleaved 2of5 - MSI/Plessey - RSS-14 (with CC-A/B) - RSS Limited (with CC-A/B) - RSS Expanded (with CC-A/B) - UCC/EAN-128 (with CC-A) | Aztec - Aztec Runes - DataMatrix - MicroPDF417 - PDF417 - QR Code - Maxicode

Communication

Interface USB: integrated

Interface W-LAN: 802.11b optionally integrated

Interface Bluetooth: optionally built-in with Antenna, class II compliant, range 5-10 m

Interface GSM/GPRS: optionally built in module

Other interfaces: Internal 100 pins Connector supports USB Host & PCMCIA & CF Interfaces through End-Cap, one CF-II Slot & One SD/ MMC Slot: (SD Memory only)

Transmission: PHL 7150 = batch, PHL 7200 = W-LAN, PHL 7250 = Bluetooth + W-LAN, PHL 7400 = GSM/GPRS + Bluetooth + W-LAN

Functionality

Memory FlashROM: 64 MB

Memory RAM: 64 MB (data storage) / optional 128 MB

Microprocessor: 400Mhz, Intel® PXA255 32 bits RISC CPU

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

Display: 3.5" 240 X 320 Graphic Transflective TFT, 256K Color LCD with LED adjustable Backlight, 4-Wire Resistance Type Touch Panel

Character fonts: min. 4 lines x 14 characters, max. 10 lines x 18 characters

Indicators: Triple-color charging indication, Dual-color scanning indication

Keyboard: 16-keys alphanumeric keypad, 4 function keys, 4 navigation buttons, 1 power button, 1 hot key, 3 scan buttons

Input devices: Passive Stylus or Finger Operation

Programming: Pre-loaded Software: Windows® CE .NET 4.2 Professional, IE 6.0, Inbox, Active Sync, Software Update from SD Card

Environmental specifications

Temperature in operation: -10 - +50 °C / +14 - +122 F

Temperature in storage: -20 - +70°C / -4 - +158 F

Humidity in operation: 5 - 95 % (non condensing)

Ambient white light immunity: 4,000 lx max

Ambient fluorescent light immunity: 4,000 lx max

Ambient direct sun light immunity: 80,000 lx max

Shock drop test: 1.5 m drop onto concrete surface

Protection (dust and moisture, IEC529): IP54 Certified, IP64 Compliant

Physical specifications

Dimensions: 192.5 x 91.3/78 x 60.6/42.2 mm / 7.58 x 3.59/3.07 x 2.39/1.66 inches

Weight body: Ca. 560 g / 1.23 pounds (Including standard battery)

Connector LIF: supports RS232, USB 1.1 Client, USB 1.1 Host, DC-IN and 100mA 5V DC out

Regulatory

Laser safety class: IEC 825, Class I laserproduct

EMC: CE, FCC

Enclosed items

Cable: USB client cable for terminal

Power supply: AC Adapter 5V DC 2.6A, AC Power cord

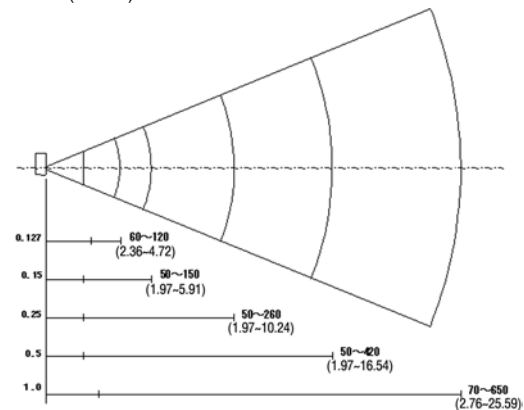
Main battery pack: Standard battery pack 3.7V DC 3000 mAh

Strap: Handstrap

Operating tool: Stylus

Depth of field

Unit: mm (inches)



Accessories

Sold separately

Cable: RS232 serial cable for terminal, USB host cable for terminal

Main battery optional: High-capacity Li-Ion Battery Pack 3.7V DC 4000mAh

Charger: 4 Slot battery charger, AC adapter for single dock/battery charging, Car charging adapter

Single cradle: Single dock

Case: Holster

Grip: Pistol

Protection: LCD Protective Film

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