

The rugged PHL 8000 PDA series all feature an integrated 1D scan engine and a full color 3.5" TFT display, with a numeric (dial) or alphanumeric (full) keypad. The options for data exchange are W-LAN and Bluetooth, optionally expanded with GSM/GPRS/EDGE.

Product Features

Productivity for your mobile workforce

Microsoft CE 5.0 drives this rugged mobile device. Your workforce will have on-demand access to well known onboard applications for integrated or extended functionality.

Designed for Heavy use

This PDA with solid housing is sealed well and holds with ease to IP 54 standards. With the choice in power (default 2000 mAh or optional 4000 mAh battery pack, or using enclosed power adapter) the device is prepared to be used in all kinds of demanding situations.

Data Processing & Data Communication

A barcode scanner and wireless communication (WiFi 802.11b/g and Bluetooth) are default integrated in the device, easily connecting to data networks or peripheral devices and providing real-time data capture for business productivity. With the optional GSM/GPRS/EDGE module also voice/data networks are within reach.

Expansion to peripherals

Customization can be reached by expanding the memory through SD card or by adding extended functionality through the serial connector.

Specifications

PHL 8000 Ruggedized PDA

Electrical specifications

Main battery pack: Standard Li-Ion battery pack, 3.7 V, 2000 mAh, Optional High Capacity Li-Ion battery pack 3.7 V, 4000 mAh
Backup battery: 1 rechargeable backup Lithium Ion Polymer battery
Charging method: Built-in battery charger by power adapter

Communication specifications

Interface IrDA: Ver. 1.2
Interface W-LAN: 802.11b/g, CCKM, CKIP, WEP, WPA, LEAP, PEAP, EAP, PSK (authentication: open, shared, LEAP)
Interface Bluetooth: class II compliant
Interface GSM/GPRS: optionally built-in GSM/GPRS/EDGE module, quad-band 850/900/1800/1900

Identification

Supported barcode symbologies (1D): JAN/UPC/EAN (WPC) incl. add on, Chinese Post, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISMN-ISSN, Korean Postal Authority code, Matrix 2of5, MSI/Plessey-UK/Plessey, RSS, S-Code, Telepen, Tri-Optic, Composite codes
Supported 2D code symbologies: MicroPDF417, PDF417

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 to 0°, 0 to +35°
Reading skew angle: -50 to -8°, +8 to +50°
Reading tilt angle: -20 to 0°, 0 to +20°
Curvature: R>15 mm (EAN8), R>20 mm (EAN13)
Min. PCS value: 0.45
Depth of field: at PCS 0.9, Code 39
70 - 650 mm / 2.76 - 25.59 in (res. 1.00 mm / 39 mil),
50 - 420 mm / 1.97 - 16.54 in (res. 0.5 mm / 20 mil),
50 - 260 mm / 1.97 - 10.24 in (res. 0.25 mm / 10 mil),
50 - 150 mm / 1.97 - 5.91 in (res. 0.15 mm / 6 mil),
60 - 120 mm / 2.36 - 4.72 in (res. 0.127 mm / 5 mil)

Functionality

Memory FlashROM: 128 MB
Memory RAM: 128 MB SDRAM and optional SD-card memory
Microprocessor: 520Mhz, Intel® PXA270 32-bits RISC CPU
Display: 3.5" 240 X 320 QVGA Graphic Transflective TFT, 256K Color LCD with LED Backlight, 4-Wire Resistance Type Touch Panel
Indicators: Dual-color (red/green)
Keyboard: Numeric (25 keys) or Alphanumeric (40 keys) keypad and 3 scan keys
Input devices: Passive Stylus or Finger Operation
Programming: Windows® CE 5.0 Professional, IE 6.0, Inbox, Active Sync, Dialer application, WLAN utility for Security function, Update software from SD card

Environmental specifications

Temperature in operation: -10 to 50 °C / 14 to 122 °F
Temperature in storage: -20 to 60 °C / -4 to 140 °F
Humidity in storage: 5 - 95 % (non-condensing)
Shock drop test: 1.5 m / 5 ft drop onto concrete surface
Protection against dust and moisture, according to IEC529: IP 54

Physical specifications

Dimensions: 155 x 82 x 31/33 mm / 6.10 x 3.23 x 1.22/1.30 in
Weight Body: Ca. 400 g / 14.1 oz (incl. standard battery)

Regulatory

Laser safety class: JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II
Product compliance: CE incl. LVD, FCC, cUL, RoHS, TUV

Enclosed items

USB client cable for terminal, AC Adapter 5V DC 2.6A, AC Power cord, Standard battery pack 3.7V DC 2000 mAh, Handstrap, Stylus, Ear microphone

Accessories

Sold separately
RS232 serial cable for terminal, USB host cable for terminal, High-capacity Li-Ion Battery Pack 3.7V DC 4000mAh, Car charging adapter, Single dock IRU 7000, LCD Protective Film

Models

Options	PHL 8112	PHL 8114	PHL 8212	PHL 8214
W-LAN	■	■	■	■
Bluetooth	■	■	■	■
GSM/GPRS/EDGE		■		■
1D barcode scanner	■	■	■	■
Alphanumeric	■	■		
Full keypad			■	■

Conditions	PHL 8112	PHL 8114	PHL 8214	PHL 8254
Ordering quantity	TBD	TBD	TBD	TBD
Availability	Contact	On request	On request	On request