WINDOWS CE

PHL 8000

Rugged PDA Series

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. Data exchange is provided by Bluetooth and WiFi (Cisco CCX compliant), 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 65 standards. With the choice in power (default 2200 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 are default integrated for real-time data capture. The Bluetooth interface supports connectivity to one of widely available Bluetooth devices. The Cisco CCX compatible Wireless-LAN interface (IEE 802.11b/g) provides connection to local area networks. Several security options empower business safety. 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.

Cabled   **Wireless**   Stationary   OEM

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Specifications
PHL 8000 Ruggedized PDA

Electrical specifications
Main battery pack: Standard Li-Ion battery pack, 3.7 V, 2200 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 USB: Ver. 1.1 full speed, client, optional host
Interface W-LAN: 802.11b/g, CCK, TKIP, WEP, WPA, WPA2, EAP, LEAP, PEAP, AES, PSK (pre-shared, static, dynamic), Cisco CCX compatible ver 4
Interface Bluetooth: Ver. 1.2, class II compliant, range 5-10 m, SPP
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 adjustable Backlight, 4-Wire Resistance Type Touch Panel
Indicators: Dual-color (red/green)
Keyboard: Numeric (25 keys) or full key (40 keys) back-lit keypad and 3 scan keys
Input devices: Passive Stylus or Finger Operation
Programming: Windows ® CE 5.0, 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 65

Physical specifications
Dimensions: depending on model:
H: 155 mm / 6.10 in,
W - numeric model: 82 mm / 3.23 in,
W - full key model: 94 mm / 3.70 in,
D: 31/33 mm / 1.22/1.30 in
Weight Body: depending on model (incl. standard battery):
min. Ca. 350 g / 12.3 oz,
max. Ca. 400 g / 14.1 oz

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 2200 mAh, Handstrap, Stylus, Ear microphone

Accessories
Sold separately
Single dock IRU 8000, RS232 serial cable for terminal, USB host cable for terminal, High-capacity Li-Ion Battery Pack 3.7V DC 4000mAh, Car charging adapter

Models

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

Conditions	PHL 8112	PHL 8114	PHL 8212	PHL 8214
Ordering quantity	TBD	TBD	TBD	TBD
Availability	Contact	On request	Contact	On request

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