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## Description

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 **NOTIFICATION DISCONTINUED** | Alternatives can be found under the 'Related products' tab, or contact us for assistance.

The information below is for reference purposes only.

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 1D barcode  2D barcode  Windows CE  Bluetooth  Wifi  IP54

Model : **Opticon H-15 (11962)**

Groep : *Mobile computing - With 2D scan engine, Windows CE 5.0 , Bluetooth, WiFi, IP54*

Datasheet: Opticon H15B

Opticon H15B is a ruggedized terminal equipped with a 2D scan engine with auto-focus, providing an accurate scan of both 1D and 2D barcodes. The optics feature self-adaption of the lens to focus on varying distances. Bluetooth and the Cisco compatible WLAN interface enable seamless integration of barcode based data into your mobile business.

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## Product Features

The combination of a 2D engine and an alphanumeric keypad on the Opticon H15B provides a reliable tool for data collection. The auto-focus function improves the motion tolerance from one work location by the ability to scan labels nearby, at far distances and difficult to reach angles. Data storage can be expanded by the user-accessible micro SD slot for data storage expansion. The housing of the Opticon H15B is sealed to IP 54 standards and withstands multiple drops up to 1.5 meter onto concrete.

Your workforce will have on-demand access to pre-loaded applications at any physical location. The Opticon H15B terminal can transmit the data in multiple ways. The Bluetooth interface connects to other Bluetooth devices. Local area networks are connected by the Cisco CCX compatible WLAN interface. Batch transmission is supported by the optional USB charging and communication cradle.

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## Specifications

- Opticon H-15B Windows Terminal (**Project item**)
- Article number: 11962 Opticon H-15B 2D incl battery pack

## Operation

- CPU: PXA 270 312Mhz
- O/S: Windows CE 5.0
- Software: Wordpad, Internet Explorer, Inbox, Active Sync, Messenger, Opticon scanner application, Accessories, Upgradeable via user accessible microSD
- RTC: Supports year, month, day, hour, minute, second (leap year supported)

## Memory

- FlashROM: 256 MB
- RAM: 64 MB
- Expansion: User accessible microSD + HC

## Display

- Type: Graphic Transflective TFT with touch panel, 256K color with adjustable backlight
- Size: 2.4", 240 x 320 pixels
- Mode: Portrait

### Operating indicators

- Visual: 2 LEDs (red/green)
- Non-visual: Buzzer

### Operating keys

- Entry options: 25 keys total
- 12 keys (alpha)numeric keypad
- 4-way navigation keys
- 4 function keys
- 5 control keys
- 1 power key
- 2 hot keys
- 1 scan key

### Communication

- Bluetooth: Ver. 2.0, SPP, DUN, OPP, HID (only keyboard support), output power class 2
- W-LAN: 802.11b/g, CCK, TKIP, WEP, WPA, WPA2, EAP, LEAP, PEAP, AES, PSK (pre-shared, static, dynamic), Cisco CCX compatible Ver. 4

### Power

- Rechargeable battery: Lithium-Ion 3.7V 1880mAh
- Operating time: Ca. 8 hours (backlight on, 1 scan + W-LAN connection / 5 sec)
- Charging method: Separate cradle CRD15 with spare battery bay
- Battery charging time: When battery in terminal ca. 3.5 hours charge, Separate battery ca. 5.5 hours

### 2D Imager Optics

- Light source: Aiming laser diode, illumination LEDs
- Scan method: CMOS area sensor, 900 x 512 pixels, gray scale
- Scan rate: Up to 80 fps, after auto-focus activation (100 ms after triggering)
- Image format: Bitmap, JPEG
- Reading pitch angle: -50 to 0°, 0 to +50°
- Reading skew angle: -50 to 0°, 0 to +50°
- Reading tilt angle: 360°
- Min. resolution at PCS 0.9: 0.127 mm / 5 mil
- Min. PCS value: 0.45
- Field of view: Horizontal 40°, Vertical 23°
- Depth of field: At \*QR Code\* and Code 39
- \*45 - 65 mm / 1.77 - 2.56 in (0.127 mm / 5 mil)\*
- \*45 - 250 mm / 1.77 - 9.84 in (0.381mm / 15 mil)\*
- 45 - 110 mm / 1.77 - 4.33 in (0.127 mm / 5 mil)
- 50 - 260 mm / 1.97 - 10.24 in (0.254 mm / 10 mil)
- 120 - 1000 mm / 4.72 - 39.37 in (1.0 mm / 39 mil)

### Supported Symbologies

- Supported 1D barcode Symbologies: JAN/UPC/EAN incl. add on, Codabar/ NW-7, Code 11, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 DataBar (RSS), IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISSN-ISMN, Matrix 2of5, MSI/ Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey Postal code: Chinese Post, Korean Postal Authority code
- Supported 2D barcode Symbologies: Aztec Code, Aztec Runes, Chinese Sensible code, Codablock F, Composite codes, Data Matrix (ECC200/EC0-140), Maxi Code (mode 2~5), MicroPDF417, Micro QR Code, PDF417, QR code

### Durability

- Temperature in operation: -10 to 50 °C / 14 to 122 °F
- Temperature in storage: -20 to 60 °C / -4 to 140 °F
- Humidity in operation: 5 - 85% (non-condensing)
- Humidity in storage: 5 - 90% (non-condensing)
- Ambient light immunity: White 10,000 lx max, Fluorescent 10,000 lx max, Direct sun 100,000 lx max
- Drop test: 1.5 m / 5 ft drop onto concrete surface
- Protection rate: IP 54

### Physical

- Dimensions (w x h x d): 57 x 164 x 32/24 mm / 1.26 x 6.46 x 1.10/0.94 in
- Weight body: Ca. 225 g / 7.9 oz (incl. battery)
- Case: Black

### **Regulatory & Safety**

- Product compliance: CE incl. LVD, FCC, cUL, RoHS, JIS-C-6802 Class 2 + 1M, IEC 60825-1 Class 2 + 1M, FDA CDRH Class II

### **Warranty**

- 2 year Manufacturer warranty / Fabrieks garantie

### **Downloads**

- Download : **H-15 User Manual** (5.3Mb)
- Download : **H-15 Quick start guide** (5.1Mb)
- Download : **Firmware for H15**
- Download : **Quick Start Guide for Summit Data Communications Radios** (348kB)
- Download : **SDK for H-15** <http://ftp.opticon.com/H15/>
- To build applications, first install the appropriate Microsoft development tool (compiler) to be obtained from a local vendor.

### **Enclosed items**

- Standard battery Lithium-Ion 3.7V 1880mAh
- Hand strap
- Stylus

### **Sold separately**

- CRD15 Cradle: Serial communication, charging
- CRD15E4 Cradle: Multi-cradle, 4 slots, Ethernet communication, charging