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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  Windows CE  Bluetooth  Wifi  IP54

Model : **Opticon H-15 (11961)**

Groep : *Mobile computing - With 1D scan engine, Windows CE 5.0 , Bluetooth, WiFi, IP54*

Datasheet: Opticon H15

Opticon H15 Windows CE 5.0 terminal is equipped with a 1D barcode scanner for a fast and accurate scan. Bluetooth and the Cisco compatible WLAN interface enable seamless integration of barcode based data into your mobile business.

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## Product Features

### Data Collection Device

The Opticon H15 high performance laser scanner providing a fast and accurate scan, combined with a simple numeric keypad layout for multiple entry options resulting in a reliable tool in data collection. The 64 MB on-board memory can be expanded by an user accessible SD card.

### Efficient Mobile Business

Microsoft Windows CE 5.0 NET running on an Intel microprocessor drives the Opticon H15. Your workforce will have on-demand access to pre-loaded applications at any physical location.

### Three interfaces for Data Access

The opticon H15 terminal can transmit data in multiple ways. Use the Bluetooth interface to connect to one of widely available Bluetooth devices. Connection to local area networks is provided by the Cisco CCX compatible Wireless-LAN interface (IEEE 802.11b/g). Batch transmission is supported by the base connectors and the optional available dedicated USB communication station.

### Durable & rugged construction

The housing of this lightweight Opticon H15 terminal is sealed to IP 54 standards and withstands multiple drops up to 1.5 meters (5 feet) onto concrete, holding up well in environments with versatile demands.

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## Specifications

- Opticon H-15 Windows Terminal
- Article number: 11961 Opticon H-15 1D incl battery pack

## Operation

- CPU: Intel 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 Barcode scanner Optics
- Light source: 650 nm visible laser diode
- Scan method: Vibrating mirror
- Scan rate: 100 scans/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. resolution at PCS 0.9: 0.127 mm / 5 mil
- Min. PCS value: 0.45
- Depth of field: At PCS 0.9, Code 39
- 60 - 640 mm / 2.36 - 25.20 in (1.00 mm / 39 mil)
- 40 - 410 mm / 1.57 - 16.14 in (0.5 mm / 20 mil)
- 40 - 250 mm / 1.57 - 9.84 in (0.25 mm / 10 mil)
- 40 - 140 mm / 1.57 - 5.51 in (0.15 mm / 6 mil)
- 50 - 110 mm / 1.97 - 4.33 in (0.127 mm / 5 mil)

## Supported Symbolologies

- Supported 1D barcode Symbolologies: 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-ISMN-ISSN, Matrix 2of5, MSI/ Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey
- Postal code: Chinese Post, Korean Postal Authority code
- Supported 1D barcode Symbolologies: Composite Codes, MicroPDF417, PDF417

## 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 4,000 lx max, Fluorescent 4,000 lx max, Direct sun 80,000 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 28/24 mm / 2.24 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, IEC 60825-1 Class 2, 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

- Rechargeable battery pack **Article number : 12039**
- Hand strap for H-15 **Article number : 12040**
- Stylus for H-15 **Article number : 12041**

## Accessories

### Sold separately.

- CRD 15 cradle for charging & USB communication **Article number : 11963**
- Quick start guide for H-15 **Article number : 12042**
- Stylus cord for H-15 **Article number : 12043**
- Stylus holder for H-15 **Article number : 12051**