

# H 15

Windows Terminal



This Windows operated terminal with 1D laser scanner is Bluetooth & WiFi interfaced and Cisco CCX compliant for seamless integration of barcode based data capture into your mobile business.



## Product Features

### Data Collection Device

A 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 H15. Your workforce will have on-demand access to pre-loaded applications at any physical location.

### Three interfaces for Data Access

The 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 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.

Cabled

**Wireless**

Stationary

OEM

**OPTICON**  
always scanning for new ID's

## Specifications

### H 15 Windows Terminal

#### Electrical specifications

Main battery pack: Lithium-Ion rechargeable 3.7 V, 1880 mAh (Opticon item)  
Main battery pack operating time: Ca. 8 hours (backlight on, 1 scan + W-LAN connection / 5 sec.)  
Charging method: Charge through Opticon cradle CRD 15  
Battery charging time: when battery in terminal: 3.5 hours charge, separate battery: 5.5 hours

#### 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. 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 (res. 1.00 mm / 39 mil),  
40 - 410 mm / 1.57 - 16.14 in (res. 0.5 mm / 20 mil),  
40 - 250 mm / 1.57 - 9.84 in (res. 0.25 mm / 10 mil),  
40 - 140 mm / 1.57 - 5.51 in (res. 0.15 mm / 6 mil),  
50 - 110 mm / 1.97 - 4.33 in (res. 0.127 mm / 5 mil)

#### Communication specifications

Interface USB: Client, ver 2.0  
Interface Bluetooth: SPP, ver 2.0, class II compliant  
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

#### 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

#### Functionality

Memory FlashROM: 256 MB  
Memory RAM: 64 MB and optional SD-card memory  
Microprocessor: Intel PXA 270, 32-bit  
Real time clock: Quartz RTC, time and date programmable, leap year handling, (accuracy +/- 60 sec./month)  
Display: 2.4" 240 x 320 Graphic Transflective TFT, Color LCD with LED adjustable  
Backlight, 4-Wire Resistance Type Touch Panel  
Indicators: 2 LEDs (red/green), speaker  
Keyboard: 25 keys total (12 keys alphanumeric keypad, 4 function keys, 4-way navigation button, 1 power button, 5 control keys, 2 quick keys, 1 scan button)  
Programming: Windows © CE 5.0, IE 6.0, Inbox, Active Sync, WLAN utility for Security function, Update software from micro 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 operation: 5 - 85 % (non-condensing)  
Humidity in operation: 5 - 90% (non-condensing)  
Ambient fluorescent light rejection: 4,000 lx max.  
Ambient white light rejection: 4,000 lx max.  
Ambient direct sun light rejection: 80,000 lx max.  
Shock drop test: 1.5 m / 5 ft drop onto concrete surface  
Protection (dust and moisture, IEC529): IP 54

#### Physical specifications

Dimensions: 164 x 57 x 28/24 mm / 6.46 x 2.24 x 1.10/0.94 in  
Weight body: Ca. 225 g / 7.9 oz (incl. 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

#### Enclosed items

Battery, Hand strap, Stylus

#### Accessories

Sold separately  
CRD 15 cradle for charging & USB communication