

OPTICON

H15

Beyond Stylish. It's Rugged.



Ideal tool for:

- ✓ Retail
- ✓ Healthcare
- ✓ Hospitality
- ✓ Logistics



Scan



Interact



Communicate

OPTICON



H15

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The Opticon H15 is a Windows terminal, equipped with a scanner for a fast and accurate scan. Wireless communication enables seamless integration of barcode based data into your mobile business. The terminal can transmit data in multiple ways. This reliable tool for data collection provides on-demand access to pre-loaded applications at any physical location.





Scan

POWERFUL BARCODE SCANNING PERFORMANCE

Opticon integrated its industry leading laser scan engine that brings 100 scans per second reading performance. The pre-installed software includes an on-board running application that enables reading the barcodes instantly. There is no need to install any software development kit before scanning; the terminal scans out of the box.



+ SCANNING

To register the ever-changing information of assets in the business process, the physical moving components need to be located any time of the day. Identification by barcodes is an effective way to follow the life cycle of the business parts.

One scan can provide an extensive amount of information about the status of the assets inside the business cycle:



H15: POWERFUL BARCODE SCANNING PERFORMANCE

- Who has the product in use?
- What is the actual location?
- Are all components of the process available?
- Is the right product picked?
- Have the orders been shipped?

Interact



+ INTERACT

The H15 is driven by an Intel Processor and Windows CE, the core version of Windows operating systems, delivering fast on-demand access to well-known on-board applications. Version 5.0 features a Windows familiar graphical user interface and the most popular Windows applications, suitable for the storage capacity and speed of the device.

+ USER APPLICATIONS

This operating system makes it easy for organizations to run different applications on one device. Available technologies combined with software components enable the user to create customized solutions. The H15 has SDK support for its operating system. With the Software Development Kit and Visual Studio the owner of the H15 holds opportunities to build native applications that can be loaded on the device.



+ REAL-TIME COMMUNICATION

Wireless communication options support this standard configuration. Bluetooth and WiFi connect to peripheral devices and to back-office data networks.



+ DURABLE

The H15 withstands drops up to 1.5 meter on concrete and is sealed up to IP 54 standards.

This makes the terminal a reliable device for daily use.

Communicate

Data management systems are standard equipped with network communication features to make real-time data available in every step of the business process. The H15 communicates directly via Bluetooth and WiFi.



+ WIFI WIRELESS LAN

The WLAN interface provides real-time interoperability and license-free use. The H15 uses Cisco certified technology. Several network safety options are available for authentication and encryption.

+ BLUETOOTH 2.4 GHZ Bluetooth™

Use the widely available and reliable Bluetooth wireless communication protocol to connect to any mobile or stationary device with Bluetooth capacity.

+ CHARGING AND COMMUNICATION

The terminal can be charged by the dedicated cradle (CRD15), with charging and communication features. Two slots provide charging of both the docked terminal and a spare battery. As soon as the terminal is put in the cradle, data transfer takes place. External communication is supported by a USB interface.



Retail



Applications

- In-store management
- Stock movement
- Price checking
- Instant order entry
- Asset management

The H15 is designed to improve the employee's productivity. It realizes transparency in the flow of goods to improve in-store management. Proactive handling of accurate data is crucial. Using the H15 gives employees clear insight in the inventory and the possibility to enter orders instantly. This not only helps to limit administration costs, it also provides visibility of economic trends for management decision making.

Healthcare



Applications

- Intramural care efficiency
- Prescription tracking
- Communicating reports
- Asset management

Support your healthcare management system with a portable terminal with integrated barcode reader. Your professionals will have on-demand access to the inventory of medicines and the list of prescriptions. Communication facilities on the device support data transmission through the network to ensure that prescriptions are collected and communicated accurately across your facility. Especially in pharmacies where drugs are continuously moving, the H15 is the right choice for care efficiency.

Logistics



Applications

- Stock location & Inventory
- Dispatch & Delivery tracking
- Order picking
- On-line delivery confirmation
- Load verification

Improve warehouse management and increase the productivity by having all necessary information available in real-time. Wireless network connectivity allows you to use location based tracking of your stock in the warehouse. Article information and logistic specific information are essential to keep track of the goods in the logistics process. Immediate availability of data from the start will result in quick and accurate billing at the end of the supply chain. With the H15 this data can be collected and transmitted any time.

Hospitality



Applications

- Supply management
- Customer order entry
- Purchasing order entry
- Menu checking
- Reporting / trend analysis

Service to the customer is number one priority in the hotel and catering industry. The H15 provides insight information about consumer behavior and creates transparency in the flow of goods. Real-time order transmission will save time spent from the customer's table to the kitchen. Apart from that, quick acting will increase customer loyalty. The Windows CE operating system has local currency options integrated. The administrative features of this mobile terminal even provide the possibility to have information about VIP arrangements immediately available.

+ Basic Product Specifications

Operation

- CPU: Intel PXA 270 32-bit
- 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 Symbologies

- Barcode (1D): 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
- 2D code: 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 operation: 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

Enclosed items

- Rechargeable battery
- Hand strap
- Stylus

Sold separately

- CRD15 Cradle: Serial communication, charging