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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  Bluetooth  Wifi  USB  GPRS  EDGE  3G  GPS  IP65

Opticon adds a new dimension to its current range of mobile computing devices. With the functionality of a PDA and the appearance of a smartphone, the Opticon H-27 is particularly suitable for mobile workers who need the combination of auto-ID and business-critical information to carry out their work in a highly efficient way.

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## Product Features

The Opticon H27 comes with an integrated 1D barcode reader or 2D imager. Due to the ergonomic design the Opticon H-27 is slimmer and lighter than an industrial device, and also stronger and more robust than a consumer phone. Moreover the 1.5 meter shock drop test, the IP65 rating, an operation temperature from -10° to 50° C and its 4.3" display (800 x 480 pixels) with Gorilla glass and anti-reflective coating give this Android 4.2.2 based device the durability you may expect.

The Opticon H-27 delivers a powerful application performance thanks to the powerful 1.5 GHz processor, 8 GB flash memory and a range of communication possibilities. The powerful standard high capacity battery (2860 mAh) which is good for full-shift operation and the various communication options such as Bluetooth 4.0, WiFi , IEEE 802.11 a/b/g/n , 2.5G , 3.5G , NFC, GPS and GLONASS enable the mobile worker to provide a better and faster service on site.

## Specifications

- Opticon H-27 1D Smartphone
- Article number: 13280 Opticon H-27 1D

## Operation

- CPU: Qualcomm MSM8960 dual core Krait 1.5GHz
- O/S: Android 4.2.2

## Memory

- EMMC: 8g SDRAM: DDR2 1gB
- Expansion: microSD up to 32gB

## Display

- Type: TFT LCD, capacitive touch panel, color screen
- Size: 4.3", 800 x 480 pixels Protection gorilla glass v2
- Coating: anti-reflective

## Operating indicators

- Visual: 2 leds (red/green)
- Non-Visual: Vibrate

## Operating keys

- 1 power key, 2 volume keys, 2 scan keys, 4 android navigation keys

## Communication

- Bluetooth: 4.0 W-lan: WiFi, IEEE.802.11 a/b/g/n
- WWan: 2g (850/900/1800/1900), 3g (850/900/1700/1900/2100)
- WWAN data: GPRS, EDGE, HSPA+
- Ethernet: via USB-to-Ethernet adapter (supported USB-to-Ethernet chip-sets ax8817x, ax88178, ax88178a, ax88772, rtl8150)
- NFC: NFC-a (iso14443-3a), NFC-B (iso14443-3B), NFC-F (Jis 6319-4), isodep (iso 14443-4), NFC Forum tag types 1, 2, 3, 4, iso18092, NFC-V (iso15693), Mifare Classic, Mifare Ultralight, ndeF on Mifare Classic
- GPS: integrated GPS and glonass
- Audio: speaker/receiver /microphone/3.5 mm headset (ctia)/Bluetooth (HSP, HFP, a2dP)
- USB: micro USB otg, system connector with USB otg and charging sensors accelerometer, Magnetometer, Gyroscope, Photometer, Proximity

## Power

- Main Battery: lithium-ion 3.7V 2860mah
- Backup Battery: lithium Polymer 3.7V, 80ma for main battery hotswap
- Operating time: 8 hours (LCD on, 3g on), standby time 325 hours Battery Charging time: 2-2.5 hours
- Charging technology: Qualcomm Quickcharge 1.0

## Camera

- Rear Facing Camera: 5 MP, auto-focus, flash led

## Barcode scanner optics

- Light source: 650 nm visible laser diode
- 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 (Ean8), r>20 (Ean13) Min. pcs Value: 0.45
- Depth of Field: at PCS 0.9, Code 39, 70 - 650 mm / 2.76 - 25.59 in (1.00 mm / 39 mil), 50 - 420 mm / 1.97 - 16.54 in (0.5 mm / 20 mil), 50 - 260 mm / 1.97 - 10.24 in (0.25 mm / 10 mil), 50 - 150 mm / 1.97 - 5.91 in (0.15 mm / 6 mil), 60 - 120 mm / 2.36 - 4.72 in (0.127 / 5 mil)

## Supported symbologies Barcode scanner

- 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, ISBN, industrial 2of5, interleaved 2of5, Matrix 2of5, Msi/Plessey, Telepen
- 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 70 °C / -4 to 158 °F (without battery)
- Humidity in Operation: 5 - 95% (non-condensing)
- Humidity in Humidity: 5 - 95% (non-condensing)
- Drop test: 1.5 m / 5 ft drop onto concrete surface Protection rate: IP65

## Physical

- Dimensions (W x H x d): 77 x 147 x 19 mm / 3.03 x 5.79 x 0.75 in
- Weight Body: Ca. 244 g / 8.5 oz (incl. battery) Case: Black

## Warranty

- 2 year Manufacturer warranty / Fabrieks garantie

## Enclosed items

- Power adapter **Article number :**
- Battery **Article number :**
- USB cable **Article number :**
- USB to DC cable **Article number :**
- Ear phone **Article number :**
- Quick start guide **Article number :**

**Accessories**  
sold separately.

- CRD-27 (excl. power adapter & power cable) **Article number : 13344**
- Power adapter **Article number :**
- Power cable **Article number :**

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***Features***

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**Properties**

Including:    Power supply Battery USB to DC cable USB cable Ear microphone Quick Start Guide

**Physical**

Connection(s):    USB micro

**Technical details**

Platform Version:    Android 4.2.2

Platform:    Android

IP rating:    IP65

Scan engine:    Laser (1D)

Wireless Communication:    NFC 3G GPRS WiFi Bluetooth

Barcodes:    1D