



Description

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

The information below is for reference purposes only.

 1D barcode  2D 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.

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 2D Smartphone
- Article number: 13281 Opticon H-27 2D

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

2D Imager optics

- Light source: aiming green led, illumination leds
- Scan Method: CMOS area sensor, 752 x 480 pixels, gray scale
- Scan rate: Up to 60 fps
- Image Format: Windows Bitmap, JPEG, TIFF
- Gradulation: 256, 16, 2 image
- Output Mode: 4 resolutions (full, 1/2, 1/3, 1/4), 2 ranges (horizontal, vertical)
- Reading pitch angle: -50 to 0°, 0 to +50° reading skew angle: -50 to 0°, 0 to +50°
- Reading tilt angle: 360°
- Curvature: r>16 mm (10-digit Codabar), r>20 mm (12-digit UPC) Min. resolution at PCS 0.9: 0.169 mm / 7 mil at PDF417, 0.212 mm / 8 mil at QR Code and datamatrix Min. PCS Value: 0.3
- Field of View: Horizontal 40.6°, Vertical 26.4°
- Depth of Field: at Code 39, 85 - 125 mm / 3.35 - 4.92 in (0.127 / 5 mil), 65 - 205 mm / 2.56 - 8.07 in (0.254 mm / 10 mil), 60 - 295 mm / 2.36 - 11.61 in (0.508 mm / 20 mil) Depth of Field: at QR Code, 90 - 115 mm / 3.54 - 4.53 in (0.212 mm / 8.4 mil), 55 - 195 mm / 2.17 - 7.68 in (0.381 mm / 15 mil)

Supported symbologies 2D Imager

- BarCode (1d): UPC-a, UPC-a add-on, UPC-E, UPC-E add-on, Ean-13, Ean-13 add-on, Ean-8, Ean-8 add-on, Jan-8, Jan-13, Code 39, tri-optic, Codabar (nW-7), industrial 2 of 5, interleaved 2 of 5, s-Code, iata, Code 93, Code 128, Msi/Ples-sey, UK/Plessey, tEIEPEn, Matrix 2of5, Code 11, gs1 dataBar, gs1 dataBar limited, gs1 dataBar Expanded, Composite gs1-dataBar, Composite gs1-128, Composite Ean, Composite UPC Postal Code: Chinese Post, Korean Postal authority code
- 2d Code: Pdf417, MicroPdf417, Codablock F, Qr Code, Micro Qr Code, dataMatrix (ECC 0 - 140 / ECC 200), MaxiCode (Modes 2 to 5), aztec Code, Han xin Code (Chinese sensible Code)

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 :**

Features

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: Imager (1D & 2D)

Wireless Communication: Bluetooth 3G NFC WiFi GPRS

Barcodes: 2D