



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  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 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 :**

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: Laser (1D)

Wireless Communication: 3G GPRS WiFi Bluetooth NFC

Barcodes: 1D