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 barcode2D barcodeBluetoothWifiUSBGPRSEDGE3GGPSIP65

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 -10^0 to 50^0 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, tElEPEn, 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:	NFC WiFi GPRS Bluetooth 3G

Barcodes:	2D