



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  USB VCP-only  IP42  iPhone  iPad

Model : **Opticon OPN-2005 (13095)**

Groep : *Data collector - Pocket Memory Scanner with Bluetooth*

Datasheet: [Opticon OPN2005](#)

Opticon OPN2005 Bluetooth memory scanner combines convenient barcode data collection with flexible communication options. The device allows storage and removal of barcode scans. The final collection can be transmitted by cabled or wireless interface, both options are provided.

Product Features

Bluetooth & USB communication interface

For data transmission to a Bluetooth hosting device, two profiles are available on the Opticon OPN2005. The SPP profile allows the user to use a data loading tool and configure some Bluetooth transmission settings. For direct transmission without using any tools the HID profile will fit the immediate wireless transfer needs. In occasions where Bluetooth is not provided, access by the USB port enables (cabled) data transfer to any USB device.

Scanning control by two buttons

Using this Opticon OPN2005 high performance laser scanner is very easy – scan a barcode and it will be stored automatically.

When you make a mistake, the lower button allows you to re-scan the barcode in order to remove the item from the memory.

Wide storage & large capacity

Over 20.000 codes can be stored on the Opticon OPN2005 and removed by the user at any time.

Lightweight

Large application flexibility is provided in this lightweight Opticon OPN2005 of less than 30 grams (1 ounce).

Specifications

- Opticon OPN-2005 Pocket Memory Scanner with Bluetooth
- Article number: 13095 Opticon OPN-2005

Operation

- CPU: 32-bit
- O/S: Proprietary SOFTWARE: 4 applications available (also programmable in C-language. Free software development kit with free RX compiler)
- RTC: Supports year, month, day, hour, minute, second (leap year supported)

Memory

- FLASHROM: 512 kB RAM: 96 kB EXTERNAL FLASHROM: 1024 kB (>20.000 barcodes + time stamp)

Operating Indicators

- VISUAL: Multi color LED (red/green/orange/blue) NON-VISUAL: Buzzer OPERATING KEYS
- ENTRY OPTIONS: 2 keys total, 1 function key, 1 scan key

Communication

- USB: Mini USB, ver. 1.1, USB-VCP (USB-HID and USB-MSD on request)
- BLUETOOTH: ver. 2.1, SPP, HID, 1 to 1 connection, master & slave mode, authentication and encryption

Power

- RECHARGEABLE BATTERY: Lithium-Ion Polymer 3.7V 240mAh
- OPERATING TIME (BATCH): 1.000 scans (1 scan / 5 sec)
- OPERATING TIME (IDLE): 1-2 months OPERATING
- TIME (BLUETOOTH): Ca. 12 hours
- RAM DATA RETENTION TIME (EMPTY): Ca. 72 hours
- RAM DATA RETENTION TIME (FULL): 1-2 months CHARGING METHOD: Enclosed USB cable

Barcode Scanner Optics

- LIGHT SOURCE: 650 nm visible laser diode
- SCAN METHOD: Vibrating mirror
- SCAN RATE: 100 scans/sec
- READING PITCH ANGLE: -25 to 0°, 0 to +25°
- READING SKEW ANGLE: -40 to -8°, +8 to +40°
- READING TILT ANGLE: -20 to 0°, 0 to +20°
- CURVATURE: R>15 mm (EAN8), R>20 mm (EAN13)
- MIN. PCS VALUE: 0.45
- DEPTH OF FIELD: At PCS 0.9 UPC, 80 - 300 mm / 3.15 - 11.81 in (1.0 mm / 39 mil), 60 - 250 mm / 2.36 - 9.84 in (0.5 mm / 20 mil), 60 - 200 mm / 2.36 - 7.87 in (0.25 mm / 10 mil), 60 - 130 mm / 2.36 - 5.12 in (0.15 mm / 6 mil), 60 - 110 mm / 2.36 - 4.33 in (0.127 mm / 5 mil)

Supported Symbolologies

- 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-UK/Plessey, S-Code, Telepen, Tri-Optic
- POSTAL CODE: Chinese Post, Korean Postal Authority code

Durability

- TEMPERATURE IN OPERATION: 0 to 40 °C / 32 to 104 °F
- TEMPERATURE IN STORAGE: -20 to 60 °C / -4 to 140 °F
- HUMIDITY IN OPERATION: 20 - 85% (noncondensing)
- HUMIDITY IN STORAGE: 20 - 85% (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
- VIBRATION TEST: 10 - 100 Hz with 2G for 30 min
- PROTECTION RATE: IP 42

Physical

- DIMENSIONS (W x H x D): 32 x 62 x 16 mm / 1.26 x 2.44 x 0.63 in
- WEIGHT BODY: Ca. 29 g / 1.0 oz (incl. battery) CASE: ABS, Black and Silver

Regulatory & Safety

- PRODUCT COMPLIANCE: CE, FCC, VCCI, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II

Enclosed Items

USB cable, Neck strap

Warranty

- 2 year Manufacturer warranty / Fabrieks garantie

Downloads

- Download: **OPN-2005 Quick Start Guide**
- Download: **OPN-2005 Specification Manual**
- Download : **USB driver for OPN-2005**

- Download : **Upload utility Appload**
- Download : **SDK for OPN-2005**
- Download : **Download software**
- Download : **Firmware**

Enclosed items

- USB client cable for terminal **Article number : 12300**
- Neckstrap **cannot be ordered separately**

Accessories

Sold separately.

- CMT-1 Docking Station **Article number : CMT-1**
- CMT-6 - 6-bay Docking Station **Article number : CMT-6**
- CMT-30 - 30-bay Docking Station Cabinet **Article number : CMT-30**
- SPC-2 Rubber Protective Case for Opticon OPN2005 Article number: **SPC-2** (1*)
*(*1) Be aware that the OPN-2005 won't fit in the CMT-1 ,CMT-6 or CMT-30 docking station when fitted in the SPC-2 case!*
- Handstrap **Article number : 10225**
- Power supply 5,0V/1A incl EU plug **Article number : USBCHARGE_NET**
- Car charging adapter **Article number : USBCHARGE_CAR**
- Universal Menubook **Article number : 10961**

*Be aware that the OPN-2001, OPN-2005, OPN-2006 won't fit in the **CMT-1** / **CMT-6** or **CMT-30** docking station when fitted in the **SPC-2** case!*
