

## ≡ OPTICON

### OPN-3102i, 2D data collector, Bluetooth, wireless charging

The OPN-3102 enables real-time barcode scanning into any Bluetooth device. It is extremely small, making it an ideal solution for field sales and service, POS, inventory management, asset tracking and many more. Easily connect with Android, Apple or Windows devices.

Compared with the previous model (OPN-3002), the model OPN-3102 is more durable, has a faster 2D-code reader, includes an NFC interface for easy Bluetooth pairing, and enables wireless charging.



#### Highlights of the Opticon OPN-3102 pocket memory bar code & 2D code reader

- 2D CMOS imager rapidly scans and decodes 1D and 2D barcodes
- NFC for easy Bluetooth pairing
- Price point makes real-time barcode scanning with an Android, Apple or Windows devices affordable
- Ready-to-go out of the box, just pair it with your Bluetooth device
- Supports Apple MFi, SPP and HID Bluetooth profiles for added flexibility
- Memory: 1 MB Storage Flash, 96 KB RAM and 512 KB + 32 KB System Flash
- Small form factor: weighs only 60 grams, 36 x 83 x 21.5 mm (W x H x D)
- Audible and visible feedback after a successful scan
- USB rechargeable, high capacity Lithium-Ion battery
- Extremely durable: IP54 rating against dust and moisture and survives 1.5 m drop test
- Wireless charging capable

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# Technical Description

## Functionality & Operation

Indicators	1 multicolor LED, buzzer, vibrator
Communication interface	Bluetooth 2.1, NFC, USB
Connectors	micro USB 5-pin
Data memory	1MB
Program memory	96kB
1D Barcode Symbolologies	All standard one-dimension barcodes
2D Code Symbolologies	Aztec, Codablock F, Data Matrix (ECC200 only), MaxiCode, Micro QR Code, MicroPDF417, MicroPDF, QR code, Chinese Sensible Code, GS1 DataMatrix, GS1 QR Code
CPU Type	, real time clock

## Optical

Curvature	16 mm
Depth of scan field	55 mm ~ 260 mm
Resolution	5 mil
Scanning rate	100 scans/sec
Bar code scanner	2D Imager , 640x480 px
Light source	green LED (aiming)
Light source	illumination: white LED 4.000 °K

## Electrical

Main battery pack operating time	10 hrs (30 scans/min + Bluetooth active)
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## Mechanical

Body housing	ABS plastic
Dimensions	Width: 36mm, Height: 83mm Length: 21.5mm
Weight	60g

## Environment

Shock resistance	drop from 1,5 m onto concrete surface
Operating temperature	0 to 50°C
Operating humidity (non-condensing)	20 to 85%
Ingress protection	IP54
Storage temperature	20 to 50°C

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