OPN-3002, 2D data collector, Bluetooth

The OPN-3002 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. The OPN-3002 comes in a n- and i-version, where i- is designed for the iMac platform, whilst n- is designed for the others.

Highlights of the Opticon OPN-3002 pocket memory bar code & 2D code reader

- 2D CMOS imager rapidly scans and decodes 1D and 2D barcodes
- 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 (i-version), 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 57 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: IP42 rating against dust and moisture and survives 1.5 m drop test

YOUTUBE='p_ajRAMQf-E'

Technical Description

Functionality & Operation

CPU Type	32-bit RISC , real time clock
Data memory	1MB
Program memory	96kB
Indicators	1 multicolor LED, buzzer, vibrator
Communication interface	Bluetooth 2.1, USB
1D Barcode Symbologies	All standard one-dimension barcodes
2D Code Symbologies	Aztec, Codablock F, Data Matrix, MaxiCode, Micro QR Code, MicroPDF417, PDF417, QR code, Chinese Sensible Code
Connectors	mini USB female

Optical

Light source	green LED (aiming)
Bar code scanner	2D Imager , 752x480 px
Scanning rate	60 scans/sec
Depth of scan field	55 mm ~ 260 mm
Resolution	5 mil
Light source	ilumination: white LED 4.000 °K
Curvature	16 mm

Electrical

Main battery pack operating time	12 hrs (12 scans/min + Bluetooth active)

Mechanical

Dimensions	Width: 36mm, Height: 83mm Length: 21.5mm
Weight	57g
Body housing	ABS plastic

Environment

Operating temperature	0 to 50°C
Storage temperature	-20 to 60°C
Storage humidity (non-condensing)	20 to 85%
Operating humidity (non-condensing)	20 to 85%
Ingress protection	IP42