OPN-4000n

CCD Bluetooth® Companion Scanner

Highlights

- CCD linear sensor rapidly scans and decodes 1D barcodes

- Price point makes real-time barcode scanning with an Android™, Apple® or Windows® device affordable

- Ready-to-go out of the box, just pair it with your Bluetooth device

- Supports, SPP and HID Bluetooth profiles for added flexibility

- Memory: 1 MB Flash ROM, 96 kB SRAM

- Small form factor: weighs only 1.87 oz, 3.27 x 1.42 x 0.85 in (LxWxD)

- 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 5 ft drop test

- Two year warranty protects your investment

≡ OPTICON

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Product Specifications

OPERATION

CPU: 32-bit CISC / 96 MHz
O/S: Proprietary
RTC: Supports year, month, day, hour, minute, second (leap year supported)

MEMORY

FLASHROM: 1 MB SRAM: 96 kB

OPERATING INDICATORS

VISUAL: 1 LED (red/green), 1 LED (blue)
AUDIBLE: Buzzer

OPERATING KEYS

ENTRY OPTIONS: 2 keys total, 1 function key,
1 scan key

COMMUNICATION

USB: mini USB
BLUETOOTH: Version 2.1, SPP, HID, 1 to 1 connection, master / slave mode, authentication and encryption

POWER

RECHARGEABLE BATTERY: Lithium-Ion Polymer 3.7V 600mAh
OPERATING TIME: 25 hours (2 scans / 10 sec incl Bluetooth communication)
CHARGING METHOD: Enclosed USB cable

BARCODE SCANNER OPTICS

LIGHT SOURCE: 1 red LED
SCAN METHOD: CCD linear sensor, 1500 pixels
READING PITCH ANGLE: -50 to 0°, 0 to +50°
READING SKEW ANGLE: -65 to 0°, 0 to +65°
READING TILT ANGLE: -25 to 0°, 0 to +25°
CURVATURE: R>20 mm (EAN13) R>15 mm (EAN8) Min. resolution at PCS 0.9: 0.1 mm (Code 39)
DEPTH OF FIELD AT CODE 39:
5 mil (0.127 mm) 2.95 - 4.72 in (75 - 120 mm)
6 mil (0.15 mm) 2.56 - 5.12 in (65 - 130 mm)
10 mil (0.254 mm) 2.17 - 8.66 in (55 - 220 mm)
20 mil (0.508 mm) 2.17 - 9.45 in (55 - 240 mm)
39 mil (1.0 mm) 2.76 - 20.47 in (70 - 520 mm)

SUPPORTED SYMBOLOGIES

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) (exl.stacked), IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISSM-ISSN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey
BARCODE (POSTAL CODES): Chinese Post, Korean Postal Authority Code

DURABILITY

TEMPERATURE:
Operation: 32° - 122° F (0° - 50° C)
Storage: -4° - 140° F (-20° - 60° C)
HUMIDITY:
Operation: 20 - 85% RH (non-condensing, non-freezing)
Storage: 20 - 85% RH (non-condensing, non-freezing)
AMBIENT LIGHT IMMUNITY:
Fluorescent 10,000 lx max,
Direct sun 100,000 lx max
DROP TEST: 5 ft (1.5 m) onto concrete
PROTECTION RATE: IP42

PHYSICAL

DIMENSIONS (WXHXD): 1.42 x 3.27 x 0.85 in (36 x 83 x 21.5 x mm)
BODY WEIGHT: Ca. 1.87 oz (53 g) (incl. battery)
CASE: ABS, white

REGULATORY AND SAFETY

PRODUCT COMPLIANCE: CE, FCC, VCCI, RoHS, IEC62471-1, EN60950-1, IEC60950-1, EN55022, EN 55022, EN 301 489-1 V1.9.2, EN 301 489-17 V2.1.1, EN 300 328 V1.7.1

ENCLOSED ITEMS

USB cable, neck strap