OPN-2006

Bluetooth® Laser Barcode Scanner

Highlights

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

- Simple Bluetooth pairing and one-touch barcode scanning

- Supports HID and SPP Bluetooth profiles, BT 4.2 and Bluetooth Low Energy (BLE)

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

- High speed 100 scans/second laser barcode scanner

- Memory: 512kB FlashROM, 96KB RAM and 1MB External FlashROM

- Leverage the free Software Development Kit (SDK) to customize scanning behavior

- Small form factor: 2.44"W x 1.26"L x 0.63"D and weighs only 1.0 ounces

- Easily fits into pocket or on a key chain

- Audible and visible feedback after a successful scan

- USB rechargeable, high capacity Lithium-Ion battery

- Scanner comes with USB data/charging cable and neck lanyard

- Two year warranty

≡ OPTICON

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Product Specifications

OPERATION

CPU: 32-bit **OS:** 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: 1 MB

OPERATING INDICATORS

VISUAL: Multi color LED (red/green/orange/blue)

AUDIBLE: Buzzer

OPERATING KEYS

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

COMMUNICATION

USB: Mini USB, Version 1.1, USB-VCP (USB-HID and USB-MSD on request)

BLUETOOTH: BT 4.2, Bluetooth Low Energy (BLE) compliant, SPP, HID, 1 to 1 connection, master and slave mode, authentication and encryption

POWER

RECHARGEABLE BATTERY: Lithium-Ion Polymer 3.7V 240mAh

OPERATING TIME: Batch: 1.000 scans (1 scan / 5 sec), Idle: 1-2 months, Bluetooth: Ca. 12 hours RAM

RAM DATA RETENTION TIME: Empty: Ca. 72 hours, 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 (UPC @ PCS 0.9):
39 mil (1.0 mm): 3.15 - 11.81 in (80 - 300 mm)
20 mil (0.5 mm): 2.36 - 9.84 in (60 - 250 mm)
10 mil (0.25 mm): 2.36 - 7.87 in (60 - 200 mm)
6 mil (0.15 mm): 2.36 - 5.12 in (60 - 130 mm)
5 mil (0.127 mm): 2.36 - 4.33 in (60 - 110 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), IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISMN-ISSN, Matrix 2of5, MSI/Plessey-UK/Plessey, S-Code, Telepen, Tri-Optic

BARCODE (POSTAL CODES): Chinese Post, Korean Postal Authority code

DURABILITY

TEMPERATURE:
Operation: 32 to 104 °F (0 to 40 °C)
Storage: -4 to 140 °F (-20 to 60 °C)

HUMIDITY:
Operation: 20 - 85% (noncondensing)
Storage: 20 - 85% (non-condensing)

AMBIENT LIGHT IMMUNITY:
Fluorescent: ~ 4,000 lx
Incandescent: ~ 4,000 lx
Sunlight: ~ 80,000 lx

DROP TEST: 5 ft (1.5 m) onto concrete surface

VIBRATION TEST: 10 - 100 Hz with 2G for 30 min

PROTECTION RATE: IP 42

PHYSICAL

DIMENSIONS (WXHXD): 1.26 x 2.44 x 0.63 in (32 x 62 x 16 mm)

WEIGHT (BODY): Ca. 1.0 oz (29 g) (including battery)

CASE: ABS, Black

REGULATORY AND 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