OPN-2001

Ultra Compact Laser Barcode Scanner

Highlights

- Simple, one-touch barcode scanning

- Most affordable USB batch scanner

- Small form factor: 2.44" x 1.26" x 0.63" and weighs only 1 ounce

- Easily fits into a pocket or on a key chain

- High speed 100 scans/second laser barcode scanner

- Stores over 15,000 barcodes plus timestamps

- USB rechargeable, high capacity Lithium-Ion battery

- Audible and visible feedback after a successful scan

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

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

- Backed by a two year warranty

≡ OPTICON

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Product Specifications

OPERATION

CPU: ARM7 32-bit
OS: Proprietary
RTC: Supports year, month, day, hour, minute, second (leap year supported)

MEMORY

FLASHROM: 512 kB (Data storage >15.000 barcodes + time stamp)
RAM: 64 kB

OPERATING INDICATORS

VISUAL: 1 LEDbar (red/green/orange)
AUDIBLE: Buzzer

OPERATING KEYS

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

COMMUNICATION

USB: Mini USB, Version 1.1, VCP

POWER

RECHARGEABLE BATTERY: Lithium-Ion 3.7V 150mAh
OPERATING TIME: 1.000 scans (1 scan/5 sec)
CHARGING METHOD: Enclosed USB cable
BATTERY CHARGING TIME: Ca 2.5 hours

BARCODE SCANNER OPTICS

LIGHT SOURCE: 650 nm visible laser diode
SCAN METHOD: Vibrating mirror
SCAN RATE: 100 scans/sec
READING PITCH ANGLE: -30 to 0°, 0 to +30°
READING SKEW ANGLE: -50 to -8º, +8 to +50º
READING TILT ANGLE: -20 to 0°, 0 to +20°
CURVATURE: R>15 mm (EAN8), R>20 mm (EAN13)
MINIMUM PCS VALUE: 0.45
DEPTH OF FIELD (UPC @ PCS 0.9):
39 mil (1.0 mm): 2.36 - 22.44 in (60 - 570 mm)
20 mil (0.5 mm): 1.57 - 14.17 in (40 - 360 mm)
10 mil (0.25 mm): 1.57 - 8.66 in (40 - 220 mm)
6 mil (0.15 mm): 1.57 - 4.72 in (40 - 120 mm)
5 mil (0.127 mm): 1.97 - 3.94 in (50 - 100 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)
AMBIENT LIGHT IMMUNITY:
White: 3,000 lx max
Fluorescent: 3,000 lx max
Direct sun: 50,000 lx max
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 oz (28 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