OPTICON

Cabled scanners

OPR2001

Barcode laser scanner

RS232

Keyboard Wedge

USB

+ Related products

OPR3201
- Cabled device
- Barcode laser scanner
- RS232, Keyboard Wedge, USB
- With stand

OPV1001
- Stationary device
- Omnidirectional laser scanner
- RS232, Keyboard Wedge, USB (HID/VCP)
- ABS, with stand

OPL7836
- Cabled device
- Barcode laser scanner
- RS232, Keyboard Wedge, USB

Basic Product Specifications

Operating indicators
- Visual: 1 LED (red/green/orange)
- Non-visual: Buzzer

Operating keys
- Entry options:
  1 scan key

Communication
- RS232: DB9 PTF connector with external power supply
- Keyboard Wedge: MiniDIN6 F/M connector
- USB: Ver. 1.1, HID/VCP, USB-A connector

Power
- Voltage requirement: 5V ± 10% (Keyboard Wedge and USB), 6V (min. 4.5, max. 6.5V) (RS232)
- Current consumption: Max. 150mA

Barcode scanner Optics
- Light source: 650 nm visible laser diode
- Scan method: Bi-directional scanning
- Scan rate: 100 scans/sec
- Trigger mode: Manual, auto-trigger, stand detection
- Reading pitch angle: -35 to 0°, 0 to +35°
- Reading skew angle: -50 to -8°, +8 to +50°
- Reading tilt angle: -20 to 0°, 0 to +20°
- Curvature: R>15 mm (EAN8), R>20 mm (EAN13)
- Min. resolution at PCS 0.9: 0.127 mm / 5 mil
- Min. PCS value: 0.45
- Depth of field: At PCS 0.9, Code 39
  40 - 500 mm / 1.57 - 19.69 in (1.0 mm / 39 mil),
  20 - 350 mm / 0.79 - 13.78 in (0.5 mm / 20 mil),
  20 - 200 mm / 0.79 - 7.87 in (0.25 mm / 10 mil),
  20 - 100 mm / 0.79 - 3.94 in (0.15 mm / 6 mil),
  30 - 70 mm / 1.18 - 2.76 in (0.127 mm / 5 mil)

Supported Symbologies
- Barcode (1D): JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 11, Code 39, Code 93, GS1-128 (EAN-128), GS1 DataBar (RSS), IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISMN-ISSN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey
- Postal code: Chinese Post, Korean Postal Authority code
- 2D code: Composite codes, MicroPDF417, PDF417

Durability
- Temperature in operation: -5 to 50 °C / -23 to 122 °F
- Temperature in storage: -20 to 60 °C / -4 to 140 °F
- Humidity in operation: 20 - 85% (non-condensing)
- Humidity in storage: 10 - 90% (non-condensing)
- Ambient light immunity: Fluorescent 3,000 lx max, Direct sun 50,000 lx max, Incandescent 3,000 lx max
- Drop test: 1.5 m / 5 ft drop onto concrete surface
- Vibration test: 10 - 100 Hz with 2G for 1 hour
- Protection rate: IP 42

Physical
- Dimensions (w x h x d):
  56 x 151 x 31 mm / 2.20 x 5.94 x 1.22 in
- Dimensions stand (w x h x d):
  100 x 175 x 127 mm / 3.94 x 6.89 x 5.00 in (excl. scanner)
- Weight body: Ca. 60 g / 2.1 oz (excl. cable)
- Weight stand: Ca. 115 g / 4.1 oz
- Case: ABS, Black, chrome stand

Regulatory & Safety
- Product compliance: CE, FCC, VCCI, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II

Enclosed items
- Stand

Sold separately
- Power supply 100-240V/0.5A, 50/60 Hz, 6V/2A (for RS232)

Models
- Interface versions: RS232, Keyboard Wedge, USB

Copyright Opticon. All rights reserved. This information is subject to change without prior notice. For availability, contact your local representative.

- **The Netherlands:** Hoofddorp
- **France:** Issy Les Moulineaux
- **Germany:** Dietzenbach
- **Italy:** Castel Maggiore (BO)
- **Spain:** Valencia
- **Sweden:** Järfälla
- **United Kingdom:** Luton, Bedfordshire
- **U.S.A.:** Renton, WA
- **Japan:** Warabi City
- **Taiwan:** Taipei
- **P.R.China:** Shanghai
- **Australia:** Kariong
- **Brazil:** São Paulo

Opticon Sensors Europe B.V
European headquarters
Opaallaan 35
2132 XV Hoofddorp
The Netherlands
phone: +31 (0)23-5692700
fax: +31 (0)23-5638266
email: sales@opticon.com
internet: www.opticon.com

OPTICON

WWW.OPTICON.COM