OPTICON

Cabled Scanners

OPR3001

Barcode laser scanner

RS232

Keyboard Wedge

USB



+ Related products



OPR3101
- Wireless device
- Barcode laser scanner
- Bluetooth



OPR3004
- Cabled device
- Long range scanner
- RS232, Keyboard Wedge, USB



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

+ Basic Product Specifications

Operating indicators
- Visual: 1 large 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 ± 10% (RS232)
- Current consumption: Max. 130mA (RS232), max. 125mA (Keyboard Wedge and USB)

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
- 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 fi eld: at PCS 0.9, Code 39
  30 - 590 mm / 1.18 - 23.23 in (1.0 mm / 39 mil),
  10 - 360 mm / 0.39 - 14.17 in (0.5 mm / 20 mil),
  10 - 200 mm / 0.39 - 7.87 in (0.25 mm / 10 mil),
  10 - 90 mm / 0.39 - 3.54 in (0.15 mm / 6 mil),
  20 - 60 mm / 0.79 - 2.36 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, Code 128, 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: -10 to 60 °C / 14 to 140 °F
- Temperature in storage: -30 to 70 °C / -22 to 158 °F
- Humidity in operation: 5 - 90% (non-condensing)
- Humidity in storage: 5 - 90% (non-condensing)
- Ambient light immunity: Fluorescent 4,000 lx max, Direct sun 80,000 lx max, Incandescent 4,000 lx max
- Drop test: 2 m / 6.5 ft drop onto concrete surface
- Vibration test: 10 - 100 Hz with 2G for 30 min
- Protection rate: IP 54

Physical
- Dimensions (w x h x d):
  68 x 155 x 150 mm / 2.68 x 6.10 x 5.91 in
- Weight body: Ca. 230 g / 8.1 oz (excl. cable)
- Case: ABS, Black or White

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

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

Models
- Interface versions: RS232, Keyboard Wedge, USB
- Color versions: Black, White

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- **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
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- **P.R.China:** Shanghai
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- **Brazil:** São Paulo

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