

# OPL7836

Barcode laser scanner

RS232

Keyboard Wedge

 USB



### + Related products

#### OPR3001

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



#### OPR3201

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



#### OPI2002

- Cabled device
- 2D CMOS imager
- RS232, Keyboard Wedge, USB



## 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  $\pm$  10%
- 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
- 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
  - 50 - 500 mm / 1.97 - 19.69 in (1.0 mm / 39 mil),
  - 30 - 300 mm / 1.18 - 11.81 in (0.5 mm / 20 mil),
  - 30 - 240 mm / 1.18 - 9.45 in (0.25 mm / 10 mil),
  - 30 - 130 mm / 1.18 - 5.12 in (0.15 mm / 6 mil),
  - 40 - 100 mm / 1.57 - 3.94 in (0.127 mm / 5 mil)

## Supported Symbolologies

- 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: -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 30 min
- Protection rate: IP x2

## Physical

- Dimensions (w x h x d):
  - 55 x 145 x 113 mm / 2.16 x 5.70 x 4.44 in
- Weight body: Ca. 100 g / 3.5 oz (excl. cable)
- Case: ABS, Black or White

## Regulatory & Safety

- Product compliance: CE, FCC, RoHS, JIS-C-6802 Class 1, IEC 60825-1 Class 1, FDA CDRH Class I

## Sold separately

- Power supply 230V, 50 Hz, 5V/500mA (for RS232)

## Models

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

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- **The Netherlands:** Hoofddorp  
- **France:** Issy Les Moulineaux  
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