

# 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



## 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: 5 V  $\pm$  10 % (Keyboard Wedge and USB), 6 V (min. 4.5, max. 6.5 V) (RS232)
- Current consumption: Max. 150 mA

## 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 Symbolologies

- 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

## 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 (optionally sold separately)

## Sold separately

- Power supply 6V (for RS232)

## Models

- Interface versions: RS232, Keyboard Wedge, USB

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