

OPL-7836

Laser Barcode Scanner



USB

RS232

Keyboard Wedge

+ Features and Benefits

- Ideal solution for retail point-of-sale (POS), inventory or logistics applications
- The pistol-style grip is specifically designed to reduce physical stress enabling all day, repetitive use
- Cabled laser barcode scanner – easily and quickly reads 1D barcodes at 100 scans/second
- Trigger modes: manual and auto-trigger
- USB, RS232 or keyboard wedge interfaces available
- Available in black or white
- IP42 sealing against dust and moisture, survives 5 foot drop to concrete
- Compact size and weight – 2.16 x 5.7 x 4.44 in (WxLxD) and 3.5 ounces
- Backed by a two year warranty

Operating Indicators

- **Visual:** 1 LED (red/green/orange)
- **Audible:** Buzzer

Operating Keys

- **Entry Options:** 1 scan key

Communication

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

Power

- **Voltage Requirement:** 5V ± 10%
- **Current Consumption:** Maximum 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)
- **Minimum Resolution at PCS 0.9:** 5 mil (0.127 mm)
- **Minimum PCS Value:** 0.45
- **Depth of Field at PCS 0.9, Code 39:**
 - 39 mil (1.0 mm) 1.97 - 19.69 in (50 - 500 mm)
 - 20 mil (0.5 mm) 1.18 - 11.81 in (30 - 300 mm)
 - 10 mil (0.25 mm) 1.18 - 9.45 in (30 - 240 mm)
 - 6 mil (0.15 mm) 1.18 - 5.12 in (30 - 130 mm)
 - 5 mil (0.127 mm) 1.57 - 3.94 in (40 - 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, S-Code, Telepen, Tri-Optic, UK/Plessey
- **Barcode (2D):** Composite codes, MicroPDF417, PDF417
- **Barcode (Postal Codes):** Chinese Post, Korean Postal Authority code

Durability

- **Temperature:**
 - Operation: -23 to 122 °F (-5 to 50 °C)
 - Storage: -4 to 140 °F (-20 to 60 °C)
- **Humidity:**
 - Operation: 20 - 85% (non-condensing)
 - 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:** 5 ft (1.5 m) drop onto concrete surface
- **Vibration Test:** 10 - 100 Hz with 2G for 30 min
- **Protection Rate:** IP42

Physical

- **Dimensions (WxHxD):** 2.16 x 5.70 x 4.44 in (55 x 145 x 113 mm)
- **Weight Body:** Ca. 3.5 oz (100 g) (excl. cable)
- **Case:** ABS, Black or white

Regulatory and 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
- **Germany:** Dietzenbach
- **Italy:** Castel Maggiore (BO)
- **Sweden:** Järfälla
- **United Kingdom:** Luton, Bedfordshire

- **U.S.A.:** Renton, WA
- **Brazil:** São Paulo
- **Japan:** Warabi City
- **Taiwan:** Taipei
- **P.R.China:** Shanghai

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