OPTICON

OPL-6845R
Laser Barcode Scanner

USB

RS232

Keyboard Wedge

+ Features and Benefits

• Ideal solution for retail point-of-sale (POS), inventory or logistics applications

• Integrated auto-trigger mode together with the dedicated stand enables hands-free operation

• Large base plate provides a stable platform and a clear working area on the desktop

• 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 – 2.24 x 6.26 x 1.26 in (WxLxD) and 3.2 ounces

• Stand included

• Backed by a two year warranty

+ Product Specification

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:** 5 V ± 10 % (Keyboard Wedge and USB), 6 V (min. 4.5, max. 6.5 V) (RS232)
- **Current Consumption:** Maximum 250 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)
- **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) 1.57 - 19.69 in (40 - 500 mm)
  20 mil (0.5 mm) 0.79 - 13.78 in (20 - 350 mm)
  10 mil (0.25 mm) 0.79 - 7.87 in (20 - 200 mm)
  6 mil (0.15 mm) 0.79 - 3.94 in (20 - 100 mm)
  5 mil (0.127 mm) 1.18 - 2.76 in (30 - 70 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: 5 - 95% (non-condensing)
  Storage: 5 - 95% (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 1 hour
- **Protection Rate:** IP42

Physical

- **Dimensions (WxHxD):** 2.24 x 6.26 x 1.26 in (57 x 159 x 32 mm)
- **Dimensions Stand (WxHxD):** 6.29 x 7.48 x 9.64 in (160 x 190 x 245 mm) (excl. scanner)
- **Weight Body:** Ca. 3.2 oz (90 g) (excl. cable)
- **Weight Stand:** Ca. 10.2 oz (290 g)
- **Case:** ABS, black or white

Regulatory and Safety

- **Product Compliance:** CE, FCC, VCCI, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II

Enclosed Items

- **Power Supply:** 100-240V/0.5A, 50/60 Hz, 6V/2A (for RS232)
- Stand (optionally sold separately)

Models

- **Interface Versions:** RS232, Keyboard Wedge, USB
- **Color Versions:** Black, white
- **Stand Included**

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