

OPL-6845S

Laser scanner

This small 1D barcode reader features a compact and lightweight design ideal for retail, point-of-sale, inventory and logistics applications. The OPL-6845S scans at a rate of 100 times per second.



The OPL-6845S is a natural fit for your business

The OPL-6845S fits naturally in your hand, is lightweight and is ideal for retail, point-of-sale (POS), inventory or logistics applications. This high performance laser scanner provides a fast and accurate scan, even when barcodes are printed with low contrast. Even modern LED lighting has no effect on the scan performance. The integrated auto trigger mode together with the dedicated stand enables hands-free operation.

Highlights

- Auto-trigger / stand detection
- Survives 1.5m drop to concrete
- Light and stable
- Scan rate 100 scans per second
- 1D reading
- IP 42 - sealed against dust and moisture
- Exchangeable cable (interface)
- Stand included



OPL-6845S

Product Specifications

Operating indicators

Visual: 1 LED (blue)

Non-visual: buzzer

Operating keys

Entry options: 1 scan key

Communication

USB: ver. 2.0, HID/COM, USB-A connector

Power

Voltage requirement: 5V \pm 10% (USB)

Current consumption: Max. 135 mA

Barcode scanner optics

Light source: 650 nm visible laser diode

Scan method: Bi-directional scanning

Scan rate: Up to 100 scans / second

Trigger mode: Manual, auto-trigger, stand detection

Reading pitch angle: -35° to $+35^{\circ}$

Reading skew angle: -50° to $+50^{\circ}$

Reading tilt angle: -20° to $+20^{\circ}$

Curvature: $R \geq 15$ mm (EAN8), $R \geq 20$ mm (EAN13)

Min. resolution at PCS 0.9: 0.076 mm / 3 mil

Min. PCS value: 0.2

Depth of field at code 39:

15 - 750 mm / 0.59 - 29.53 in (1.0 mm / 39 mil)

0 - 485 mm / 0 - 19.09 in (0.5 mm / 20 mil)

0 - 190 mm / 0 - 7.48 in (0.25 mm / 10 mil)

0 - 80 mm / 0 - 3.15 in (0.15 mm / 6 mil)

5 - 50 mm / 0.19 - 1.96 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 2 of 5, Interleaved 2 of 5, ISBN-ISSN-ISMN, Matrix 2 of 5, MSI/Plessey, UK/Plessey, S-Code, Telepen, Tri-Optic

Postal code: Chinese Post, Korean Postal Authority code

2D code: Composite codes, PDF417, MicroPDF417

Durability

Temperature in operation: -5 to 50°C / 23 to 122°F

Temperature in storage: -30 to 60°C / -22 to 140°F

Humidity in operation: 5% to 90% (non-condensing)

Humidity in storage: 5% to 90% (non-condensing)

Ambient light immunity: Fluorescent 4,000 lx, direct sun 80,000 lx, incandescent 4,000 lx max

Drop test: 1.5 m / 5 ft drop onto concrete surface

Vibration test: 10 - 100Hz with 2G for 30 minutes

Protection rate: IP 42

Physical

Dimensions Scanner (W x H x D): 56.3 x 161.1 x 31.5 mm / 2.22 x 6.34 x 1.24 in

Cable length: 2.0 m

Weight body: Ca. 75 g / 2.5 oz (excl. cable)

Dimensions Stand (W x H x D): 98.8 x 146.5 x 174 mm / 3.89 x 5.77 x 6.85 in

Weight Stand: Ca. 136 g / 4.6 oz (excl. scanner)

Case: ABS, Black

Regulatory & safety

Product compliance: CE, FCC, VCCI, RoHS, JIS-C-6802 Class 2, IEC60825-1 Class 2, FDA CDRH Class II, EN55032, EN61000 Class B

Items

Enclosed: Scanner, Stand, Quick Start Guide

Optional: RS232 cable black 2 m (14160)

Models

Interface versions: USB

Color versions: Black