OPL-6845S

Laser scanner

The OPL-6845S features a compact and light-weight design ideal for retail, POS, inventory or logistics applications. The integrated auto trigger mode together with the dedicated stand enables hands-free operation, improving productivity.

Highlights

- High performance laser scanner that scans 1D barcodes at 100 scans/second

- 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

- White model is antimicrobial

- Durable – survives 1.5 meter drop to concrete

- IP42 rating against dust and moisture

- Trigger modes: manual and auto-trigger

- Compact size and weight: 56.3 x 161.1 x 31.5 mm (W x H x D) and 75 grams

- Communication interface: RS232or USB

- Available in black or white and the stand is included

- Backed by a two year warranty

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 ± 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: ± 35⁰
Reading skew angle: ± 50⁰
Reading tilt angle: ± 20⁰
Curvature: R≥15 mm (EAN8), R≥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 (1.0 mm) / 0.59 - 29.53 in (39 mil)
0 - 485 mm (0.5 mm) / 0 - 19.09 in (20 mil)
0 - 190 mm (0.25 mm) / 0 - 7.48 in (10 mil)
0 - 80 mm (0.15 mm) / 0 - 3.15 in (6 mil)
5 - 50 mm (0.127 mm) / 0.19 - 1.96 in (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

Durability
Temperature in operation: -5 to 50 ⁰C / 23 to 122 ⁰F
Temperature in storage: -30 to 60 ⁰C / -22 to 140 ⁰F
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
Antimicrobial: white model
Drop test: 1.5 m / 5 ft drop onto concrete surface
Vibration test: 10 - 100Hz with 2G for 30 minutes
Protection rate: IP42

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
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, White

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