OPL-9725OSE

Laser scanner

The OPL-9725OSE has a real-time clock and an easy-to-use, one-key keypad. It is programmable allowing you to create custom solutions utilizing the free Opticon SDK. The OPL-9725OSE stores data onboard for later transfer via IrDA through various charging/communications cradles.

Highlights

- Ideal solution for asset management, inventory control and mobile sales automation

- High speed laser barcode scanner at 100 scans/second

- Batch scanner that stores data for later transfer via IrDA through the various communication/charging cradles that are sold separately

- Features a real-time clock and an easy-to-use, one-key keypad

- Memory: 512KB of FlashROM and 128 KB of RAM

- Compact size and weight: 44 x 125 x 19 mm (W x H x D) and 75 grams (including battery)

- Rechargeable 3.7V 600mAh lithium-ion battery

- Durable: IP54 rating against dust and moisture, 1.5 m drop to concrete

- Programmable - free Opticon SDK enables solution providers to create customized scanning solutions

- Backed by a two year warranty

OPL-9725OSE
Product Specifications

Operation
CPU: 32-bit, 96 MHz
O/S: Proprietary
RTC: Supports year, month, day, hour, minute, second (leap year supported)

Memory
Flashrom: 512 kB
RAM: 96 kB
Flash storage: 1 MB

Operating indicators
Visual: 1 LED (red/green/orange)
Non-visual: Buzzer

Operating keys
Entry options: 1 key total, 1 scan key

Communication
IrDA: Ver 1.2 physical layer, baurate 2400 bps - 115.2 kbps

Power
Rechargeable battery: Lithium-Ion 3.7V 600 mAh
Backup battery: yes for RTC
Operating time: Ca. 40 hours (1 scan / 5 sec with 1 sec laserbeam on, 0.2 sec green LED on, 0.2 sec buzzer on)
Data retention time: 72 hours (data)
Charging method: Separate cradle CRD-9723RU

Barcode Scanner Optics
Light source: 650 nm visable laser diode
Scan rate: 100 scans / seconds
Reading pitch angle: ± 35°
Reading skew angle: -50 to -8°,
+8 to +50°
Reading tilt angle: ± 20°
Curvature: R≥15 mm (EAN8), R≥20 mm (EAN13)
Min. pcs value: 0.45
Depth of field at code 39:
80 - 300 mm (1.00 mm) / 3.15 - 11.81 in (39 mil),
35 - 210 mm (0.5 mm) / 1.38 - 8.27 in (20 mil),
35 - 120 mm (0.25 mm) / 1.38 - 4.72 in (10 mil),
35 - 70 mm (0.15 mm) / 1.38 - 2.76 in (6 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 2of5, interleaved 2of5, ISBN-ISSN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey
Postal Code: Chinese Post, Korean Postal Authority code

Durability
Temperature in operation: -10 to 45 °C / 14 to 113 °F
Temperature in storage: -20 to 60 °C / -4 to 140 °F
Humidity in operation: 20 - 85% (non-condensing)
Humidity in storage: 20 - 90% (non-condensing)
Ambient light immunity: Fluorescent 3,000 lx max, direct sun 50,000 lx max, incandescent 3,000 lx max
Drop test: 1.5m / 5 ft drop onto concrete surface
Vibration test: 12 - 100 Hz with 2G for 1 hour
Protection rate: IP54

Physical
Dimensions (WxHxD): 44 x 125 x 19 mm / 1.73 x 4.92 x 0.75 in
Weight body: Ca. 75 g / 2.7 oz (incl. battery)
Case: ABS, lilac grey

Regulatory & Safety
Product compliance: CE, FCC, RoHS, IEC60825-1 Class 1, FDA CDRH Class I, EN55022, EN55024

Items
Enclosed: Wrist strap, standard battery
Sold Separately: Rechargeable battery, CRD-9723RU cradle (serial communication, charging), power supply for cradle

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