OPL-9725-OSE

Handheld Mobile Terminal

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 (USB, RS232, Modem or GSM) 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: 1.73" x 4.92" x 0.75" (WxHxD) and 3 ounces (including battery)

- Rechargeable 3.7V 600mAh lithium-ion battery

- Durable: IP54 rating against dust and moisture, 5 foot drop to concrete

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

- Backed by a two year warranty

≡ OPTICON

OPL-9725-OSE

Product Specifications

OPERATION

CPU: 32-bit

OS: Proprietary

SOFTWARE: 4 applications available (also programmable in C-language. Free software development kit with free RX compiler)

RTC: Supports year, month, day, hour, minute, second (leap year supported)

MEMORY

FLASHROM: 512 kB

RAM: 96 kB

OPERATING INDICATORS

VISUAL: 1 LED (red/green/orange)

AUDIBLE: Buzzer

OPERATING KEYS

ENTRY OPTIONS: 1 key total, 1 scan key

COMMUNICATION

IRDA: Version 1.2, baudrate 2400 bps - 115.2 kbps

POWER

RECHARGEABLE BATTERY: Lithium-Ion 3.7V 600mAh

BACKUP BATTERY: Lithium rechargeable 3.5mAh

OPERATING TIME: Ca. 200 hours (1 scan / 5 sec with 1 sec laserbeam on, 0.2 sec green LED on, 0.2 sec buzzer on)

DATA RETENTION TIME: 15 years (data)

CHARGING METHOD: Separate cradle CRD9720 series

BARCODE SCANNER OPTICS

LIGHT SOURCE: 650 nm visible laser diode

SCAN METHOD: Vibrating mirror

SCAN RATE: 100 scans/sec

READING PITCH ANGLE: -25 to 0°, 0 to +25°

READING SKEW ANGLE: -40 to -8°, +8 to +40°

READING TILT ANGLE: -20 to 0°, 0 to +20°

CURVATURE: R>15 mm (EAN8), R>20 mm (EAN13)

MIN. PCS VALUE: 0.45

DEPTH OF FIELD: At PCS 0.9 UPC
39 mil (1.0 mm) 3.15 - 11.81 in (80 - 300 mm)
20 mil (0.5 mm) 2.36 - 9.84 in (60 - 250 mm)
10 mil (0.25 mm) 2.36 - 7.87 in (60 - 200 mm)
6 mil (0.15 mm) 2.36 - 5.12 in (60 - 130 mm)
5 mil (0.127 mm) 2.36 - 4.33 in (60 - 110 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-ISSN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/ Plessey

BARCODE (POSTAL CODES): Chinese Post, Korean Postal Authority code

DURABILITY

TEMPERATURE:
Operation: 23 - 104 °F (-5 - 40 °C)
Storage: -4 - 140 °F (-20 - 60 °C)

HUMIDITY:
Operation: 20 - 80% (noncondensing)
Storage: 20 - 90% (non-condensing)

AMBIENT LIGHT IMMUNITY:
White: 3,000 lx max
Fluorescent: 3,000 lx max
Direct sun 50,000 lx max

DROP TEST: 5 ft (1.5 m) drop onto concrete surface

VIBRATION TEST: 12 - 100 Hz with 2G for 1 hour

PROTECTION RATE: IP 54

PHYSICAL

DIMENSIONS (WXHXD): 1.73 x 4.92 x 0.75 in (44 x 125 x 19 mm)

WEIGHT BODY: Ca. 3 oz (85 g) (incl. battery)

CASE: ABS, Lilacgrey

REGULATORY AND SAFETY

PRODUCT COMPLIANCE: CE, FCC, RoHS, JIS-C-6802 Class 1, IEC 60825-1 Class 1, FDA CDRH Class I

ENCLOSED ITEMS

Hand strap

SOLD SEPARATELY

CRD-9723RU CRADLE: Single-slot communication/charging, USB and RS232

CRD-9723RU1 CRADLE: 5-slot, 1x communication, 5x charging, USB and RS232

CRD-9723RU5 CRADLE: 5-slot, 5x communication, 5x charging, USB, RS232 and RS485

CRD-9726 CRADLE: Single slot communication/charging, Modem

CRD-9727 CRADLE: Single-slot communication/charging, GSM

NYLON CASES: With either a swivel clip or fixed clip