OPL9815 Barcode laser scanner



› HIGHLIGHTS

- Bluetooth Ver 2.1
- GPS
- (alpha)numeric keypad
- IP 54
- 1,5 m drop proof

OPTICON

OPL9815

> BASIC PRODUCT SPECIFICATIONS

OPERATION

CPU: 32-bit O/S: Proprietary SOFTWARE: Programmable in C-language. Ansi-C Cross compiler obtainable. Software development kit free downloadable RTC: Supports year, month, day, hour, minute, second (leap year supported)

MEMORY

FLASHROM: 1 MB SRAM: 512 kB

DISPLAY

TYPE: Graphic LCD with backlight SIZE: 112 x 64 pixels

OPERATING INDICATORS

VISUAL: 1 LED (red/green/orange) NON-VISUAL: Buzzer

OPERATING KEYS

ENTRY OPTIONS: 18 keys total, 12 key (alpha)numeric keypad, 2 function keys, 3 control keys, 1 scan key

COMMUNICATION

IRDA: Ver. 1.2, baudrate 2400 bps - 115.2 kbps BLUETOOTH: Ver. 2.1, class 1.5, SPP and HID GPS: NMEA 0183, SiRF Star III, 4.8 kbps

POWER

RECHARGEABLE BATTERY: Lithium-Ion 3.7V 1000mAh BACKUP BATTERY: Rechargeable manganese silicon lithium battery 3mAh OPERATING TIME: Ca. 50 hours (1 scan / 5 sec excl. connection), ca. 10 hours (1 scan / 5 sec incl. GPS connection) DATA RETENTION TIME: Ca. 72 hours CHARGING METHOD: Separate cradle CRD972x 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: -50 to -8° / +8 to +50° READING TILT ANGLE: -20 to 0˚, 0 to +20˚ CURVATURE: R>20 mm (EAN8), R>25 mm (EAN13) MIN. RESOLUTION AT PCS 0.9: 0.15 mm / 6 mil MIN. PCS VALUE: 0.45 DEPTH OF FIELD: At PCS 0.9, Code 39: 60 - 300 mm / 2.36 - 11.81 in (1.0 mm / 39 mil), 35 - 210 mm / 1.38 - 8.27 in (0.5 mm / 20 mil), 35 - 120 mm / 1.38 - 4.72 in (0.25 mm / 10 mil), 35 - 70 mm / 1.38 - 2.76 in (0.15 mm / 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 2D CODE: Composite Codes, MicroPDF417*, PDF417* (* requires use of an external library)

DURABILITY

TEMPERATURE IN OPERATION: 0 to 40 ˚C / 32 to 104 ˚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: White 3,000 lx max, Fluorescent 3,000 lx max, Direct sun 50,000 lx max DROP TEST: 1.5 m / 5 ft drop onto concrete surface PROTECTION RATE: IP 54

PHYSICAL

DIMENSIONS (W X H X D): 44 x 140 x 22 mm / 1.73 x 5.51 x 0.87 in WEIGHT BODY: Ca. 115 g / 4.1 oz (excl. battery) CASE: ABS, Black

REGULATORY & SAFETY

PRODUCT COMPLIANCE: CE, FCC, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II

ENCLOSED ITEMS

Hand strap

SOLD SEPARATELY

Rechargeable battery, CRD9723RU Cradle: Serial communication, charging, OPL9700 Nylon case with swivel clip & window, OPL9700 Nylon case with swivel clip, OPL9700 Nylon case with fixed clip

OPL9815_002

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