

OPL-9815

Barcode Laser Scanner

HIGHLIGHTS

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



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Basic product specifications

OPERATION

CPU: RX62N 32-bit MCU **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 2, SPP and HID **GPS:** NMEA 0183, SiRF Star III, 4.8 kbps

POWER

RECHARGEABLE BATTERY: Lithium-Ion 3.7V 1100mAh **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% (noncondensing) **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 CRD9723RU5, Cradle: Multi-cradle, 5x communication, 5x charging, OPL9700

Nylon case with swivel clip & window, OPL9700 Nylon case with swivel clip, OPL9700 Nylon case with fixed clip

