

# OPL9815 Barcode laser scanner



## > HIGHLIGHTS



Bluetooth Ver 2.1

GPS

(alpha)numeric keypad

IP 54

1,5 m drop proof



# 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