

BATCH TERMINALS

# OPH-1005

Barcode Laser Scanner

## HIGHLIGHTS

TFT LCD QVGA color display  
2", 320 x 240 pixels  
(alpha)numeric keypad  
1,5 m drop proof  
IP 54



 **OPTICON**

# OPH-1005

## Basic product specifications

### OPERATION

**CPU:** RX62N 32-bit MCU **O/S:** Proprietary **SOFTWARE:** Programmable in C-language. Software development kit with compiler free downloadable **RTC:** Supports year, month, day, hour, minute, second (leap year supported)

### MEMORY

**NAND FLASH:** 128 MB **FLASHROM:** 4 MB **RAM:** 4 MB SRAM

### DISPLAY

**TYPE:** TFT LCD QVGA color display with backlight **SIZE:** 2", 320 x 240 pixels

**FONT SIZE:** 6x6 / 6x12 / 8x8 / 8x16 / 8x19 / 11x19 / 12x24 dots / 16x32

### OPERATING INDICATORS

**VISUAL:** Dual-color LED (red/green) **NON-VISUAL:** Buzzer

### OPERATING KEYS

**ENTRY OPTIONS:** 23 keys total, 12 key (alpha)numeric keypad, 2 navigation keys, 4 function keys, 3 control keys, 1 power key, 1 scan key

### COMMUNICATION

**IRDA:** Ver. 1.2, baudrate 1200 bps - 115.2 kbps

### POWER

**RECHARGEABLE BATTERY:** Lithium-Ion 3.7V 1100mAh **OPERATING TIME:** Ca. 40 hours (backlight off, 1 scan / 10 sec) **DATA RETENTION TIME:** Indefinitely

**CHARGING METHOD:** Separate cradle CRD-1004, CRD-1006

### BARCODE SCANNER OPTICS

**LIGHT SOURCE:** 650 nm visible laser diode **SCAN METHOD:** Vibrating mirror

**SCAN RATE:** 100 scans/sec **READING PITCH ANGLE:** -35 to 0°, 0 to +35°

**READING SKEW ANGLE:** -50 to -8°, +8 to +50° **READING TILT ANGLE:** -20°

to 0°, 0 to +20° **CURVATURE:** R>15 (EAN8), R>20 (EAN13) **MIN. PCS VALUE:** 0.45 **DEPTH OF FIELD:** At PCS 0.9, Code 39, 70 - 450 mm / 2.76 - 17.72 in (1.0 mm / 39 mil), 50 - 320 mm / 1.97 - 12.60 in (0.5 mm / 20 mil), 50 - 200 mm / 1.97 - 7.87 in (0.25 mm / 10 mil), 55 - 120 mm / 2.17 - 4.72 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-ISMN-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

### DURABILITY

**TEMPERATURE IN OPERATION:** -10 to 50°C / 14 to 122°F **TEMPERATURE IN STORAGE:** -20 to 60°C / -4 to 140°F **HUMIDITY IN OPERATION:** 20 - 85%

(non-condensing) **HUMIDITY IN STORAGE:** 20 - 85% (non-condensing)

**AMBIENT LIGHT IMMUNITY:** White 4,000 lx max, Fluorescent 4,000 lx max,

Direct sun 80,000 lx max **DROP TEST:** 1.5 m / 5 ft drop onto concrete surface

**PROTECTION RATE:** IP 54

### PHYSICAL

**DIMENSIONS (W X H X D):** 55 x 136 x 23 mm / 2.17 x 5.35 x 0.91 in **WEIGHT**

**BODY:** Ca. 140 g / 4.9 oz (incl. Lithium-Ion 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

Wrist strap

### SOLD SEPARATELY

**RECHARGEABLE BATTERY:** Lithium-Ion 3.7V 1100mAh **CRD-1004 CRADLE:**

Ethernet, communication, charging **CRD-1006 CRADLE:** Serial communication, charging

