

OPH-3001

HIGHLIGHTS

- 2" TFT LCD QVGA color display
- (alpha)numeric keypad
- Lightweight design
- 1.5 m drop proof
- IP 54



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 **OPTICON**



OPH-3001

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

FLASHROM: 4 MB **SDRAM:** 4 MB **NAND FLASH:** 128 MB

DISPLAY

TYPE: TFT LCD QVGA color display with backlight **SIZE:** 2", 320 x 240 pixels
FONT SIZE: 6x6 / 6x12 / 8x8 / 8x16 / 12x24 dots

OPERATING INDICATORS

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

OPERATING KEYS

ENTRY OPTIONS: 22 keys total, 12 key (alpha)numeric keypad, 4 navigation keys, 3 function keys, 1 control key, 1 power key, 1 scan key

COMMUNICATION

USB: Mini USB, Ver. 2.0, VCP **IRDA:** Ver. 1.2, baudrate 1200 bps - 115.2 kbps

POWER

RECHARGEABLE BATTERY: Lithium-Ion 3.7V 1100mAh **BACKUP BATTERY:** Lithium (CR2032) **OPERATING TIME:** Ca. 40 hours (backlight off, 1 scan / 10 sec) **CHARGING METHOD:** Enclosed USB cable

BARCODE SCANNER OPTICS

LIGHT SOURCE: 650 nm visible laser diode **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. RESOLUTION AT PCS 0.9:** 0.15 mm / 6 mil **DEPTH OF FIELD:** At PCS 0.9, 80 - 300 mm / 3.15 - 11.81 in (1.0 mm / 39 mil), 60 - 250 mm / 2.36 - 9.84 in (0.5 mm / 20 mil), 60 - 200 mm / 2.36 - 7.87 in (0.25 mm / 10 mil), 60 - 130 mm / 2.36 - 5.12 in (0.15 mm / 6 mil), 60 - 110 mm / 2.36 - 4.33 in (0.127 mm / 5 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-UK/Plessey, S-Code, Telepen, Tri-Optic **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 **CHARGING TEMPERATURE:** 0 to 40 °C (32 to 104 °F) **HUMIDITY IN OPERATION:** 20 - 85% (non-condensing) **HUMIDITY IN STORAGE:** 20 - 85% (non-condensing) **DROP TEST:** 1.5 m / 5 ft drop onto concrete surface **PROTECTION RATE:** IP 54

PHYSICAL

DIMENSIONS (W x H x D): 58.2 x 180.8 x 23.8 mm / 2.29 x 7.12 x 0.94 in
WEIGHT BODY: Ca. 156 g / 5.5 oz (incl. battery)

REGULATORY & SAFETY

PRODUCT COMPLIANCE: CE, FCC, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II, EN55022, EN55024

ENCLOSED ITEMS

Hand strap, USB cable

SOLD SEPARATELY

Rechargeable battery

