

# OPH3000



> **HIGHLIGHTS**

2" TFT LCD QVGA color display

(alpha)numeric keypad

Lightweight design

IP 54

1,5 m drop proof



# OPH3000

## > 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) **DATA RETENTION TIME:** 24 hours **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 (ID):** 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:** GS1 Composite codes

### 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