

OPH3000

Handheld Mobile Computer

Infrared (IrDA)

USB-VCP



+ Features & Benefits

- Durable, reliable and affordable mobile terminal
- Ideal solution for asset management, inventory control and mobile sales automation
- Vibrant, TFT LCD QVGA color display with adjustable backlight
- Intuitive 22-key keyboard
- Integrated laser scanner - 100 scans/second
- Features 4 MB FlashROM, 4 MB SDRAM and 128 MB NAND Flash
- Communication and battery charging through mini USB 2.0, VCP
- Withstands 5' drop to concrete
- Features IP54 rating – comprehensive sealing against dust and moisture
- Compact size and weight – 2.29"W x 7.12"L x 0.94"D and 5.5 ounces
- Programmable - free Opticon SDK enables solution providers to create customized scanning solutions
- Backed by a two year warranty

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

- **System Flash:** 4 MB
- **RAM:** 4 MB
- **Storage 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
- **Data Retention time:** 24 hours

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

Barcode Scanner Optics (continued)

- **Depth of Field (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 Symbolologies

- **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
- **Barcode (Postal Code):** Chinese Post, Korean Postal Authority code
- **Barcode (2D):** 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)
- **Protection Rate:** IP 54
- **Drop test:** 1.5 meter onto concrete

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:** Ca. 156 g / 5.5 oz (incl. battery)

Regulatory and 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

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- **U.S.A.:** Renton, WA

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