

OPH-3001

Handheld Mobile Computer



Highlights

- 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 barcode scanner: 100 scans/second
- Features 4 MB FlashROM, 2 MB SRAM and 128 MB NAND Flash
- Communication and battery charging through mini USB 2.0, VCP
- Withstands 5 ft drop to concrete
- Features IP54 rating – comprehensive sealing against dust and moisture
- Compact size and weight: 2.29" x 7.12" x 0.94" (LxWxH) and 5.5 ounces
- Programmable: free Opticon SDK enables solution providers to create customized scanning solutions
- Backed by a two year warranty

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Product Specifications

OPERATION

CPU: RX62N 32-bit MCU

OS: 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)

AUDIBLE: 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, Version 2.0, VCP

IRDA: Version 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)

MINIMUM RESOLUTION AT PCS 0.9: 6 mil (0.15 mm)

DEPTH OF FIELD: At PCS 0.9

39 mil (1.0 mm) 3.15 - 11.81 in (80 - 300 mm)

20 mil (0.5 mm) 2.36 - 9.84 in (60 - 250 mm)

10 mil (0.25 mm) 2.36 - 7.87 in (60 - 200 mm)

6 mil (0.15 mm) 2.36 - 5.12 in (60 - 130 mm)

5 mil (0.127 mm) 2.36 - 4.33 in (60 - 110 mm)

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

BARCODE (POSTAL CODES): Chinese Post, Korean Postal Authority code 2D code: Composite codes, MicroPDF417, PDF417

DURABILITY

TEMPERATURE

Operation: 14 to 122 °F (-10 to 50 °C)

Storage: -4 to 140 °F (-20 to 60 °C)

Charging: 32 to 104 °F (0 to 40 °C)

HUMIDITY

Operation: 20 - 85% (non-condensing)

Storage: 20 - 85% (non-condensing)

DROP TEST: 5 ft (1.5 m) drop onto concrete surface

PROTECTION RATE: IP 54

PHYSICAL

DIMENSIONS (WXHxD): 2.29 x 7.12 x 0.94 in (58.2 x 180.8 x 23.8 mm)

WEIGHT BODY: Ca. 5.5 oz (156 g) (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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