



OPH1005

The OPH1005, an easy to use handheld computer, is designed and rugged enough for batch processing applications in light industrial, retail, healthcare or warehousing and distribution centers. The device offers a fast processor, great memory and bright color display.

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The small ergonomic size and stylish design is combined with a wonderfully straightforward and clear user interface. Physically, the OPH1005 weighs only 140 grams and is approximately the size of a mobile phone.

Highlights include:

- Portable laser barcode scanner – 100 scans/second
- Memory - Nand flash: 128 MB flashROM: 4 MB Ram: 4 MB SRam
- Programmable - free Opticon SDK enables solution providers to create customized scanning solutions
- Compact size and weight – 55 mm W x 136 mm L x 23 mm D and 140 grams.
- Batch scanner - stores data for later transfer via IrDA through a charging cradle (sold separately)
- Offers graphical color LCD with adjustable backlight
- Withstands drop of 1.5 meters to concrete
- Features rugged IP54 rating – comprehensive sealing against dust and moisture
- Delivers elegant design with soft grip for user comfort
- Two-year warranty



Memory	
FlashROM	4 MB
NAND Flash	128 MB
RAM	4 MB SRAM
Operation	
CPU	RX62N 32-bit MCU
O/S	Proprietary
Software	Programmable in C-language. Software development kit with WinARM compiler free downloadable
RTC	Supports year, month, day, hour, minute, second (leap year supported)
Display	
Size	320 x 240 pixels
Font size	6x6 / 6x12 / 8x8 / 8x16 / 8x19 / 11x19 / 12x24 / 16x32 dots
Operating indicators	
Visual	Dual-color LED
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, 2 hot keys, 1 scan key
Communication	
IrDA	Ver. 1.2, baudrate 1200 bps - 115.2 kbps
Power	
Rechargeable battery	Lithium-Ion 3.7V 1100 mAh
Operating time	Ca. 40 hours (backlight off, 1 scan / 10 sec)
Data retention time	24 hours
Charging method	Separate cradle CRD1001, CRD1002, CRD1003, CRD1004
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	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), at PCS 0.9, Code 39
Supported Symbologies	
Barcode (1D)	

Postal code	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
2D code	Chinese Post, Korean Postal Authority code
Durability	Composite Codes, MicroPDF417, PDF417
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

Healthcare

Barcodes and barcode scanners bring information to care professionals and healthcare information providers in order to improve patient safety. Barcodes can also be a reference in generating reports of the entire care process including treatments, instrument checks, prescription orders and bedside scanning. The OPH1005 provides efficient administration and error free care.

Applications:

- Intramural care efficiency
- Prescription tracking
- Bedside scanning
- Pharmacy management
- Patient record tracking

Retail

Work on the spot and connect later to the central P.O.S. server. With this barcode scanning and data collection terminal all kinds of transactions as encountered on the shop floor or anywhere else can be updated. Looking up extended article information, expected lead times or updating quantities can be done with ease.

Applications:

- Price checking
- Loss prevention
- Accident/theft reporting
- Stock management
- Merchandise control
- Order entry

Warehouse Management

Barcodes on the shelf provide reliable and fast tracking. This simple-to-use terminal scans and stores all stock and order details. Overstocks and wrong pickings can be minimized, while managing additional data by keypad entry can be maximized. All participants in the supply chain, from logistic services and distribution centers to stock rooms, can profit from this effective collection tool.

Applications:

- Shelf replenishment
- Inventory management
- Storage locations
- Bulk supplies
- Floor materials