OPTICON

OPH1004
Barcode laser scanner

SYSTEM MENU
1 Cancel
2 Restart
3 Download software.
4 Settings
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7 Diagnostics

+ Related products

H13
- Batch Terminal
- Barcode laser scanner
- IrDA
- IP 54, Rechargeable or dry cell battery

OPL9728
- Data Collector
- Barcode laser scanner
- IrDA

H15
- Windows CE
- Barcode laser scanner
- Bluetooth, W-LAN (WiFi)
- IP 54

✚ Basic Product Specifications

Operation
- CPU: ARM7 32-bit
- 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)

Memory
- FlashROM: 4 MB
- RAM: 16 MB RAM

Display
- Size: 128 x 128 pixels
- Font size: 6x6 / 6x12 / 8x8 / 8x16 / 12x24 dots

Operating indicators
- Visual: Dual-color scanning indication (red/green)
- 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 9600 bps - 115.2 kbps, FiR ready

Power
- Rechargeable battery: Lithium-Ion 3.7V 1100mAh
- Backup battery: Lithium (CR2032)
- Operating time: Ca. 80 hours (1 scan / 5 sec)
- Data retention time: More than 7 days
- Charging method: Separate cradle CRD1000 series with spare battery bay

Barcode scanner Optics
- Light source: 650 nm visible laser diode
- Scan method: Vibrating mirror
- Scan rate: 100 scans/sec
- Reading pitch angle: -35 to 0º, 0 to +35º
- Reading skew angle: -50 to -8°, +8 to +50°
- Reading tilt angle: -20° to 0º, 0 to +20º
- Curvature: R>15 (EAN8), R>20 (EAN13)
- Min. PCS value: 0.45
- Depth of field: At PCS 0.9, Code 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)

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, S-Code, Telepen, Tri-Optic, UK/Plessey
- 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: -10 to 60 °C / 14 to 140 °F
- 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, VCCI, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II

Enclosed items
- Rechargeable battery
- Hand strap

Sold separately
- CRD1001 Cradle: Serial communication, charging
- CRD1002 Cradle: Modem communication, charging
- CRD1003 Cradle: GSM/GPRS communication, charging

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