Description

NOTIFICATION **DISCONTINUED** | *Alternatives can be found under the 'Related products' tab, or contact us for assistance.*
The information below is for reference purposes only.

1D barcode PDF417 and MicroPDF417 IrDA IP54

Model   : **Opticon H-13 (11968)**
Groep   : *Handheld terminal - rugged portable terminal*
Datasheet : H-13

The H13 is a rugged portable terminal, able to store data up to 16 MB during regular data processes. The keypad layout is especially suitable for situations where functional data entry and quick operation is preferred with just an efficient number of keys.

Product Features

The high performance laser scanner provides a fast and accurate scan even when barcodes are printed with low contrast or high density. The terminal transmits data via IrDA (batch method), usually by the designated cradle, which acts as a charging and communication device.

The battery compartment of the H13 supports rechargeable batteries or user-replaceable alkaline batteries. Depending on the best fit in the daily routines, the users can charge the terminal at the end of the working cycle in a charging cradle or choose for a last-minute battery replacement at location.

Specifications

- H-13 rugged portable terminal
- Article number: 11968 H-13 incl battery

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

Display

- Type: FSTN semi-transmissive LCD
- 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: 22 keys total,
- 12 key (alpha)numeric keypad,
- 3 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
- Dry cell battery: 2 x AA-size
- Backup battery: Rechargeable manganese silicon lithium battery (18mAh)
- Operating time: Rechargeable battery ca. 90 hours (1 scan / 5 sec), Dry cell battery ca. 150 hours (1 scan / 5 sec)
- Data retention time: More than 7 days
- Charging method: Separate cradle CRD13 series
- Battery charging time: Ca. 3 hours

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 mm (EAN8), R>20 mm (EAN13)
- Min. resolution at PCS 0.9: 0.15 mm / 6 mil
- Min. PCS value: 0.45
- Depth of field: At PCS 0.9, Code 39
- 55 - 520 mm / 2.17 - 20.47 in (1.0 mm / 39 mil),
- 35 - 350 mm / 1.38 - 13.78 in (0.5 mm / 20 mil),
- 35 - 200 mm / 1.38 - 7.87 in (0.25 mm / 10 mil),
- 35 - 100 mm / 1.38 - 3.94 in (0.15 mm / 6 mil),
- 45 - 80 mm / 1.77 - 3.15 in (0.127 mm / 5 mil)

Supported Symbologies

- Supported 1D barcode Symbologies: JAN/UPC/EAN incl. add on, Codabar/ NW-7, Code 11, Code 39, Code 93, 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
- Supported 2D barcode Symbologies: Composite Codes, MicroPDF417, PDF417

Durability

- 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: Fluorescent 4,000 lx max, Direct sun 80,000 lx max, Incandescent 4,000 lx max
- Drop test: 1.5 m / 5 ft drop onto concrete surface
- Vibration test: 10 - 100 Hz with 2G for 1 hour
- Protection rate: IP 54

Physical

- Dimensions (w x h x d): 53 x 159 x 31 mm / 2.09 x 6.26 x 1.22 in
- Weight body: Ca. 180 g / 6.4 oz (incl. AA 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

Warranty

- 2 year Manufacturer warranty / Fabrieks garantie

Downloads

Enclosed items

- Handstrap **Article number : 10225**

Accessories
<u>Sold separately</u>

- CRD13 Communication and Charging Cradle **Article number : 11969**
- CRD13GSM GSM/GPRS Communication and Charging Cradle Article number :
- Rechargeable battery pack for H13 **Article number : 12025**
- Dry-cell battery holder for H13 Article number :
- AA-size batteries Article number :