

# OPTICON

## Windows Mobile



GSM/GPRS/EDGE



MiniSD I/O

# H16B

## 2D CMOS imager



+ Related products

### PHL8152

- Windows CE
- 2D CMOS imager
- Bluetooth, W-LAN (WiFi), serial connector



### H19B

- Windows Mobile
- 2D CMOS imager
- Bluetooth, W-LAN (WiFi), GSM/GPRS/EDGE, miniSD I/O
- GPS, IP 54



### PX25

- Data Collector
- 2D CMOS imager
- IrDA, Bluetooth
- Equipped with powerjack



## Operation

- CPU: Samsung S3C2440A 400 Mhz
- O/S: Windows Mobile™ 5.0
- Software: Excel Mobile, Powerpoint Mobile, Word Mobile, Internet Explorer, ActiveSync, Internet sharing, Pocket MSN, Phone application, Opticon scanner application, Accessories
- RTC: Supports year, month, day, hour, minute, second (leap year supported)

## Memory

- FlashROM: 128 MB Disc on Chip
- RAM: 64 MB RAM
- Expansion: User accessible miniSD

## Display

- Type: Graphic Transflective TFT LCD with touch panel, 16-bit color with adjustable backlight
- Size: 2.8", 240 x 320 pixels
- Mode: Portrait / Landscape

## Operating indicators

- Visual: 2 LEDs (red/orange/green/ blue)
- Non-visual: Vibrate, Speaker (.wav)

## Operating keys

- Entry options: 41 backlit keys total, QWERTY keyboard, 5-way direction keys, 1 power key, hot keys, phone keys, 2 scan keys, virtual keyboard, handwriting recognition

## Communication

- USB: Mini USB, Ver. 1.1., client
- Bluetooth: Ver. 1.2, range up to 10 m
- W-LAN: WiFi, IEEE.802.11b/g
- Telecom: GSM/GPRS/EDGE, quad-band 850/900/1800/1900, GSM Class 12, EDGE Class 10
- Audio: Speaker/microphone (mono), headset connector (stereo)
- Extension: User accessible miniSD I/O

## Power

- Rechargeable battery: Lithium-Ion Polymer 4.2V 1440mAh
- High-capacity battery: Optional 4.2V 2880mAh
- Operating time: Talk time 4 hours, Standby time 150 hours
- Charging method: Enclosed power supply, separate car charging adapter
- Battery charging time: Standard battery ca. 4 hours, High-capacity battery ca. 8 hours (full charge)

## 2D Imager Optics

- Light source: Illumination 4 red LEDs 630 nm, aiming 2 green LEDs
- Scan method: CMOS area sensor
- Scan rate: Up to 30 fps
- Trigger mode: Manual, multiple read
- Image format: Windows Bitmap, JPEG, TIFF
- Gradulation: 256, 16, 2
- Image output mode: 4 resolutions (full, 1/2, 1/3, 1/4), 2 ranges (horizontal, vertical)
- Reading pitch angle: -50 to 0°, 0 to +50°
- Reading skew angle: -60 to 0°, 0 to +60°
- Reading tilt angle: 360°
- Curvature: R>15 (EAN8), R>20 (EAN13)
- Min. Resolution at PCS 0.9: 0.127 mm / 5 mil at PDF 417, 0.1mm / 3.9 mil at Code 39, 0.169 mm, 6.7 mil at Data Matrix, QR Code
- Min. PCS value: 0.45
- Field of view: Horizontal 47°, Vertical 37.5°
- Depth of field: At PCS 0.9 PDF417 50 - 215 mm / 1.97 - 8.46 in (0.339 mm / 13 mil), 95 - 135 mm / 3.74 - 5.31 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-ISSN-ISMN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey
- Postal code: Chinese Post, Korean Postal Authority code
- 2D code: Aztec Code, Aztec Runes, Composite codes, Data Matrix, (ECC200/ECO-140), Maxi Code (mode 2~5), MicroPDF417, Micro QR Code, PDF417, QR code

## Durability

- Temperature in operation: 0 to 45 °C / 32 to 113 °F
- Temperature in storage: -10 to 60 °C / 14 to 140 °F
- Humidity in operation: 20 - 80% (non-condensing)
- Humidity in storage: 20 - 85% (non-condensing)

## Physical

- Dimensions (w x h x d): 60 x 127 x 28 mm / 2.36 x 5.00 x 1.10 in
- Weight body: Ca. 180 g / 6.3 oz (excl. battery)
- Case: Black

## Regulatory & Safety

- Product compliance: CE, FCC, VCCI, ROHS, JIS-C-6802 Class 1, IEC 60825-1 Class 1, FDA CDRH Class I

## Enclosed items

- Power supply 100-240V/0,25A, 50/60 Hz, 5V/1A
- Standard battery Lithium-Ion Polymer 4.2V 1440mAh
- USB cable (client cable)
- Leather case
- Ear microphone
- Getting started disc
- Stylus

## Sold separately

- High-capacity battery Lithium-Ion Polymer 4.2V 2880mAh
- Car charging adapter
- Car holder

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- **France:** Issy Les Moulineaux  
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- **United Kingdom:** Luton, Bedfordshire  
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