

# OPTICON

# Windows Mobile



GSM/GPRS/EDGE



MiniSD I/O

# H16A

Barcode laser scanner



## + Related products

### H16B

- Windows Mobile
- 2D CMOS imager
- Bluetooth, W-LAN (WiFi), GSM/GPRS/EDGE, miniSD I/O
- Slide-out QWERTY keyboard



### H19A

- Windows Mobile
- Barcode laser scanner
- Bluetooth, W-LAN (WiFi), GSM/GPRS/EDGE, miniSD I/O
- GPS, IP 54



### H15

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



## Operation

- CPU: Samsung S3C2440A 400Mhz
- 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)

## Barcode scanner Optics

- Light source: 650 nm visible laser diode
- 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: 0.127 mm / 5 mil
- Min. PCS value: 0.45
- Depth of field: At PCS 0.9 Code 39  
65 - 645 mm / 2.56 - 25.39 in (1.0 mm / 39 mil),  
45 - 415 mm / 1.77 - 16.34 in (0.5 mm / 20 mil),  
45 - 255 mm / 1.77 - 10.04 in (0.25 mm / 10 mil),  
45 - 145 mm / 1.77 - 5.71 in (0.15 mm / 6 mil),  
55 - 115 mm / 2.17 - 4.53 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-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: 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

## Safety & Regulatory

- 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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