



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  2D barcode  Windows Mobile  Bluetooth  Wifi  GSM  GPRS  EDGE  GPS  IP54

Model : **Opticon H-19B MATT (11710)**

Groep : *Mobile computing - With 1D 2D barcode imager, Windows mobile 6.0 professional, Bluetooth, WiFi, GSM, GPRS, EDGE, GPS, IP54*

Datasheet: Opticon H19B

Opticon H19 B is a high-performance smartphone with built-in barcode scanner, featuring Microsoft Windows Mobile 6 Professional. You can always keep in touch, using any of the Opticon H19 B communication options; Bluetooth, WiFi and GSM/GPRS/EDGE. The Opticon H19 B is even standard equipped with GPS.

The Opticon H19 is available in two models. The Opticon H19A is equipped with a 1D engine and the Opticon H19B with a 2D engine.

Product Features

The Opticon H19 barcode scanner allows you to collect data, interact with your mobile software solution and send your information to a central ERP system. The Opticon H19 B can withstand multiple drops to concrete from 1.2 meter as well as adverse environmental conditions, with its IP 54 compliant design.

All-in-one

Microsoft Windows Mobile 6 Professional features Direct Push e-mail technology, Internet browsing, synchronization with Outlook Mobile Calendar, Contacts and e-mail, and the ability to work on applications in the Office Mobile suite such as Word, Excel and PowerPoint. With the featured 2.8-inch color LCD, the Opticon H19 B can also be used for touch screen operations such as signature capturing.

GPS integration

The Opticon H19 B is standard equipped with GPS. Your workforce can also record the geographical location with other registrations, like adding real-world coordinates (X,Y) to the scanned data.

2D reading

The Opticon H19 B with the 2D engine is especially suitable for applications where more data need to be stored than what is possible with a 1D barcode. The Opticon H19 B provides organizations detailed data records to be able to trace the items through the supply chain.

Specifications

- Opticon H-19B Smartphone
- Article number: 11710 Opticon H-19B 2D Matt incl battery pack

Operation

- CPU: Samsung S3C2440A 400 Mhz
- O/S: Microsoft® Windows Mobile® 6 Professional
- 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: 512 MB
- RAM: 64 MB
- 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: 24 keys total
- 12 key (alpha)numeric keypad
- 5-way navigation keys
- function key
- backspace key
- 1 power key
- 2 hot keys
- 2 phone keys
- reset key
- volume key
- voice record
- 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
- GPS: NMEA 0183, SiRF Star III, 57.6 kbps
- Audio: Speaker/microphone (mono), headset connector (stereo)
- Extension: User accessible miniSD I/O

Power

- Rechargeable battery: Lithium-Ion Polymer 4.2V 1580mAh
- High-capacity battery: Optional 4.2V 2600mAh
- Backup battery: Lithium rechargeable
- Operating time: Talk time 4 hours, Standby time 150 hours
- Data retention time: Backup Battery 5 minute RTC after main battery removal, 168 hours RTC in main battery low power
- Charging method: Enclosed power supply, separate USB cable, separate car charging adapter, separate cradle CRD19 series with spare battery bay
- Battery charging time: Ca. 4 or 8 hours when charging through power supply, ca. 6 or 12 hours when charging by USB cable connected to PC (resp. Standard or High-capacity battery)

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

- Supported 1D barcode Symbolologies: 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
- Supported 2D barcode Symbolologies: Aztec Code, Aztec Runes, Composite codes, Codablock F, Data Matrix, (ECC200/EC0-140), Maxi Code (mode 2~5), MicroPDF417, Micro QR Code, PDF417, QR code

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 - 80% (non-condensing)
- Humidity in storage: 20 - 90% (non-condensing)
- Drop test: 1.2 m / 4 ft drop onto concrete surface
- Protection rate: IP 54

Physical

- Dimensions (w x h x d): 62.3 x 140.8 x 25.5 mm / 2.45 x 5.54 x 1.00 in
- Weight body: Ca. 200g / 7.1 oz (incl. battery)
- Case: Black

Regulatory & Safety

- Product compliance: CE, FCC, VCCI, PTCRB, GCF, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II

Warranty

- 2 year Manufacturer warranty / Fabrieks garantie

Downloads

- Download : **H-19 manual** (20.9Mb)
- Download : **H-19 quick start guide** (1.2Mb)
- Download : **Universal Menubook** (605kb)

Enclosed items (view)

- Power supply 5,0V/1A incl EU plug **Article number : 11992EU**
- Ear microphone **cannot be ordered separately**
- USB cable (client to host)
- Leather case **cannot be ordered separately**
- Neck strap **cannot be ordered separately**
- Belt clip **cannot be ordered separately**
- Handstrap **Article number : 11835**

- Stylus **Article number : 11839**
- Stylus Thick **Article number : 12251**
- Standard Lithium-Ion Polymer battery 4.2V / 1440mAh **Article number : 11812**
- Getting Started disc **cannot be ordered separately**

Accessories

sold separately.

- CRD 19 single cradle for charging & USB communication **Article number : 11764**
- CRD 19 E4 multibay cradle for charging & Ethernet communication **Article number : 11352**
- H16/H19 Car charging adapter **Article number : 11762**
- High capacity Lithium-Ion Polymer battery 4.2V / 2600mAh **Article number : 11855**
- Battery Cover for H19 High Capacity battery pack (2600mAh) **Article number : 11857**
- Stylus holder for H19 **Article number : 12051**
- Stylus cord **Article number : 12043**