H 19B

Smartphone

The H19B is a high-performance quadband PDA/smartphone hybrid with an integrated 2D scan engine and multiple modes of wireless communication (GSM/GPRS/EDGE, WiFi and Bluetooth™) and GPS to meet the needs of your mobile workforce.

▪ Product Features

Convergence for Mobile Business
The H19B delivers the convergence of a Windows Mobile™ based smartphone and Opticon's latest scan engine technology to allow for the seamless integration of barcode based data-capture into your mobile business.

Extending the Desktop beyond the Desk
Microsoft Windows® 6 Professional drives the H19B and this mobile extension of the familiar desktop environment allows your mobile workers to be productive almost instantly. Your workforce will have on-demand access to well known applications as well as extensions of custom enterprise applications regardless of physical location.

Network Access Independent of Location
With onboard quadband GSM/GPRS/EDGE, WiFi (802.11b/g) and Bluetooth™ support the standard configuration; your workforce can easily connect to voice/data networks and peripheral devices for real-time remote data-capture, email and office productivity on the go.

GPS plus Larger Memory as Standard
In addition to the broad array of standard communication features, the H19B also provides integrated GPS capability by the SiRF Star III chip. Multiplied by 512MB of ROM for high-volume data storage, there is an increasing range of applications for which the H19B is the right choice.

Cabled   **Wireless**   Stationary   OEM

OPTICON

always scanning for new ID's

Electrical specifications

Main battery pack: Rechargeable Lithium Ion Polymer 4.2 V 1440 mAh

Main battery pack operating time: Talk time 4 hours, standby time 150 hours

Battery charging time: 4 hours (full charge through AC adapter) , 6 hours (USB cable connected to PC)

Optical specifications

Light source: illumination 4 red LEDs 630 nm, aiming 2 green LEDs

Scan method: CMOS area sensor

Depth of field: at PCS 0.9 PDF417
50 - 215 mm / 1.97 - 8.46 in (res. 0.339 mm / 13 mil),
95 - 135 mm / 3.74 - 5.31 in (res. 0.127 mm / 5 mil)

Communication specifications

Interface: mini SDIO card slot, mini usb (client, ver 1.1)

Interface Bluetooth: Ver. 1.2

Interface W-LAN: WiFi, IEEE.802.11b/g

Interface GSM/GPRS: Quad-band 850/900/1800/1900, GSM Class 12, EDGE Class 10

Interface GPS: NMEA 0183, SiRF Star III, 57.6 kbps

Identification

Supported barcode symbologies (1D): JAN/UPC/EAN (WPC) incl. add on, Chinese Post, Codabar/NW-7, Code 39, Code 93, Code 128, IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISMN-ISSN, Korean Postal Authority code, Matrix 2of5, MSI/Plessey-UK/Plessey, RSS, S-Code, Telepen, Tri-Optic, Composite codes

Supported 2D code symbologies: Aztec Code, Aztec Runes, Data Matrix (ECC200/EC0-140), Maxi Code (mode 2~5), MicroPDF417, PDF417, QR code

Functionality

Memory FlashROM: 512 MB

Memory RAM: 64 MB RAM

Memory Expansion: external mini SD

Microprocessor: Samsung S3C2440A 400 Mhz

Display: 2.8 in Transflective TFT LCD with backlight, 240 x 320 pixels, 16-bit color

Indicators: 2 LEDS (red/orange/green/blue), speaker, vibrate

Input devices: Touch panel with stylus, 2 scan keys, alphanumeric keypad, virtual keyboard, hand writing recognition, 5-way direction keys, hot keys, phone buttons

O/S: Windows Mobile™ 6 Professional

Programming: Pre-loaded software: Excel Mobile, Powerpoint Mobile, Word Mobile, Internet Explorer, ActiveSync, Internet sharing, Pocket MSN, Phone application, Opticon Scanner application, Accessories

Environmental specifications

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 to 80 % (non condensing)

Humidity in storage: 20 to 90 % (non condensing)

Shock drop test: 1.2 m / 4 ft drop onto concrete surface

Protection (dust and moisture, IEC529): IP 54

Physical specifications

Dimensions: 62.3 x 140.8 x 25.5 mm / 2.45 x 5.54 x 1.00 in

Weight body: Ca. 200 g / 7.1 oz (incl. battery)

Regulatory

Product compliance: CE, FCC, VCCI, ROHS

Enclosed items

AC adapter, Ear microphone, USB cable (client to host), Leather case, Neck strap, Belt clip, Handstrap, Lithium-Ion Polymer battery, Getting Started disc, Stylus

Accessories

sold separately

Cradle for charging & USB communication, Car charging adapter, Car mount holder, Headset

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This information is subject to change without prior notice.

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www.opticon.com

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