

H 16B

Smartphone



The H16B is a high-performance Quad-band smartphone with an integrated 2D scan engine, a slide-out QWERTY keyboard and multiple modes of wireless communication (GSM/GPRS/EDGE, WiFi and Bluetooth™) to meet the needs of your mobile workforce.

Product Features

Convergence for Mobile Business

The H16B delivers the convergence of a Windows Mobile™ based smartphone and 2D imaging 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 Mobile™ 5.0 drives the H16B 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.

Ease of Use on Demand

The slide-out QWERTY keyboard provides fast and easy text input and quickly hides away when not required. The 2.8-inch, color touch-screen LCD includes the ability to instantly rotate the screen layout when your applications require increased screen space.

Keep in touch wherever you are!

With Quad-band GSM/GPRS/EDGE, WiFi (802.11b/g) and Bluetooth™ support onboard, 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, and other business applications that require network connectivity while away from the office.

Cabled

Wireless

Stationary

OEM

OPTICON
always scanning for new ID's

Specifications

H 16B Smartphone

Electrical specifications

Main battery pack: Rechargeable Lithium Ion Polymer 4.2 V 1440 mAh, Optional High Capacity Lithium Ion Polymer battery 4.2 V 2880 mAh
Main battery pack operating time: Talk time 4 hours, standby time 150 hours
Battery charging time: Standard battery pack: 4 hours, High Capacity battery pack: 8 hours (full charge)

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)
Field of view: horizontal: 47°, vertical: 37.5°

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

Identification

Supported barcode symbologies (1D): JAN/UPC/EAN (WPC) incl. add on, Chinese Post, Codabar/NW-7, Code 11, 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: 128 MB Disc on Chip
Memory RAM: 64 MB RAM
Microprocessor: Samsung S3C2440A 400 Mhz
Display: 2.8 in Transflective TFT LCD with adjustable backlight, 240 x 320 pixels, 16-bit color
Indicators: 2 LEDs (red/orange/green/blue), speaker, vibrate
Input devices: Touch panel with stylus, 41 keys back-lit QWERTY keyboard, virtual keyboard, hand writing recognition, 5-way direction keys, hot keys, phone buttons
O/S: Windows Mobile™ 5.0
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: 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 specifications

Dimensions: 60 x 127 x 28 mm / 2.36 x 5.00 x 1.1 in
Weight body: Ca. 180 g / 6.3 oz (excl. battery)

Regulatory

Product compliance: CE, FCC, VCCI, ROHS

Enclosed items

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

Accessories

sold separately

Car charging adapter, Car mount holder, High Capacity Lithium Ion Polymer battery