H16A

Smartphone

The H16A is a high-performance Quad-band smartphone with an integrated 1D 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 H16A 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 Mobile™ 5.0 drives the H16A 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: H16A Smartphone

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)

Optical specifications

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 (EAN8), R>20 (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 (res. 1.0 mm / 39 mil),
45 - 415 mm / 1.77 - 16.34 in (res. 0.5 mm / 20 mil),
45 - 255 mm / 1.77 - 10.04 in (res. 0.25 mm / 10 mil),
45 - 145 mm / 1.77 - 5.71 in (res. 0.15 mm / 6 mil),
55 - 115 mm / 2.17 - 4.52 in (res. 0.127 mm / 5 mil)

Identification

Supported barcode symbologies (1D): JAN/UPC/EAN (WPC) incl. add on, Chinese Post, NW-7/Codabar, 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: MicroPDF417, PDF417

Communication

Available interfaces: 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

Functionality

Memory FlashROM: 128 MB

Memory RAM: 64 MB RAM

Microprocessor: Samsung S3C2440A 400Mhz

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, 41 keys QWERTY keyboard, virtual keyboard, handwriting recognition, 5-way direction keys, 2 scan buttons, hot keys, phone buttons

O/S: Windows Mobile TM 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

Physical specifications

Dimensions: 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)

Regulatory

Laser safety class: JIS-C-6802 Class 1, IEC 60825-1 Class 1, FDA CDRH Class I

Product compliance: CE, FCC, VCCI, ROHS

Enclosed items

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

Accessories
Sold separately

Accessories: Car charging adapter, Car mount holder