

H 16A

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

H 16A 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 mm (EAN8), R>20 mm (EAN13)
Min. resolution at PCS 0.9: 0.127 mm / 5 mil
Min. PCS value: 0.45

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, 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: MicroPDF417, PDF417

Functionality

Memory FlashROM: 128 MB Disc on Chip
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™ 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 1.10 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

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, Headset