

H21A

Smartphone and Integrated Laser Barcode Scanner

GPRS / EDGE / 3G / 3.5G

WIFI

Bluetooth

A-GPS

Micro-SD I/O



+ Features & Benefits

- Smartphone with fully integrated barcode scanner
- Windows Mobile 6.5 for familiar and convenient navigation
- Touch-screen navigation
- A-GPS provides accurate location information to your collected data
- Independent of any wireless carrier
- 3.2 MP auto-focus digital camera
- Office Mobile productivity suite for business on-the-go
- Optional QWERTY or numeric keypads available
- Optional desk cradle or car charging and mounting kit available
- Expandable memory with micro-SD I/O
- Screen protector, stylus plus tether and a variety of other accessories included
- Bluetooth, Wi-Fi, USB and Infrared communication allow compatibility with a large variety of peripherals
- Protected by a two-year warranty

Operation

- CPU: Qualcomm MSM7225 528 Mhz
- O/S: Microsoft® Windows Mobile® 6.5

Memory

- NAND Flash: 256 MB
- RAM: 256 MB
- Expansion: User accessible microSD + HC

Display

- Type: Graphic Transflective TFT LCD with touch panel, 16-bit color with adjustable backlight
- Size: 2.8", 480 x 640 pixels, Portrait / Landscape

Operating Indicators

- Visual: 2 LEDs (red/orange/green/blue)
- Non-visual: Vibrate, buzzer

Communication

- USB: OTG, client and host
- IrDA: Ver. 1.3, 2400 bps - 115.2 kbps (SIR), 576 kbps - 1.152 Mbps (MIR)
- Bluetooth: Ver. 2.1 + EDR, class 2
- W-LAN: Wi-Fi, IEEE.802.11b/g
- Telecom: GPRS/EDGE (quad-band 850/900/1800/1900), 3G UMTS (WCDMA band 1,II,V,VI), 3.5G UMTS (HSDPA 7.2M/HSUPA 5.76 M)
- GPS: Integrated A-GPS
- Audio: Speaker/microphone (mono), headset connector (stereo)
- Extension: User accessible micro-SD I/O

Power

- Rechargeable battery: Lithium-ion 3.7 V 3060mAh
- Backup battery: 6mAh
- Charging method: AC adapter, cradle, car charger

Camera

- Color camera: 3.2 megapixels, auto-focus, LED flash

Barcode Scanner Optics

- 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
- Depth of field: At PCS 0.9 Code 39
 - 65 - 645 mm/2.56 - 25.39 in (1.0 mm/39 mil)
 - 45 - 415 mm/1.77 - 16.34 in (0.5 mm/20 mil)

Barcode Scanner Optics (Depth of Field) (continued)

- 45 - 255 mm/1.77 - 10.04 in (0.25 mm/10 mil)
- 45 - 145 mm/1.77 - 5.71 in (0.15 mm/6 mil)
- 55 - 115 mm/2.17 - 4.53 in (0.127 mm/5 mil)

Supported Symbolologies

- Barcode (1D laser model): JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 DataBar (RSS), IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISMN-ISSN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey
- Postal code: Chinese Post, Korean Postal Authority code
- 2D code: Composite Codes, MicroPDF417, PDF417

Durability

- Temperature in operation: -10 to 50 °C/14 to 122 °F
- Temperature in storage: -40 to 60 °C/-40 to 140 °F
- Humidity in operation: up to 90% (non-condensing)
- Humidity in storage: up to 90% (non-condensing)
- Drop test: 1.5 m/5 ft drop onto concrete surface
- Ingress Protection: IP64

Physical

- Dimensions (w x h x d): 67 x 135 x 22 mm/2.64 x 5.31 x 0.87 in
- Weight: Ca. 235 g/8.3 oz (incl. battery)
- Case: black

Regulatory and Safety

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

Enclosed Items

- USB AC Adapter, Standard battery Lithium-ion 3060 mAh, USB cable
- Leather case, Hand strap, Ear microphone, Screen protector, Getting started disc, Stylus + tether

Sold Separately

- CRD21: USB OTG, ActiveSync, charging
- Car holder kit

Product Family

- H21A QWERTY - laser barcode scanner, QWERTY keypad
- H21A numeric - laser barcode scanner, numeric keypad
- H21B QWERTY - 2D barcode scanner, QWERTY keypad
- H21B numeric - 2D barcode scanner, numeric keypad

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