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H-32
Laser scanner

The H-32 is the ideal mobile computer for variety of mobile applications including merchandising, inventory management, asset tracking, field sales and service, inspection and verification.

Highlights

- Rugged mobile device that features an ergonomic design
- Windows Embedded Compact 7
- High speed 1D laser barcode scanner
- AM3354 ARM Cortex A8, 800 Mhz processor
- Memory: 256 MB NAND Flash, 256 MB RAM and user accessible Micros SDHC
- 2.8″ transflective QVGA touchscreen display with white LED backlight, 240 x 320 pixels (portrait)
- Communication: USB - Micro USB OTG Version 2.0, Bluetooth – Version 2.1 + EDR and W-LAN - 802.11 a/b/g/n
- Enhanced 26 key numeric keyboard
- High capacity Lithium-Ion 3.7V 1800mAh battery
- Rugged: IP54 rating against dust and moisture, 1.5 m drop to concrete
- Compact size: 64.8 x 145.7 x 26.8 mm (W x H x D), 195 grams including battery
- Two year warranty

H-32
Product Specifications

Operation

CPU: ARm Cortex A8, 800MHz

O/S: Windows Embedded Compact 7

Software: Wordpad, Internet Explorer, Active Sync, Opticon scanner application, Upgradeable via intergrated microSD card slot

RTC: Supports year, month, day, hour, minute, second (leap year support)

Memory

Nand Flash: 256 MB

RAM: 256 MB mobile LPDDR

Expansion: User accessible MicroSDHC

Display

Type: Transflective QVGA with touch panel, with white LED backlight

Size: 2.8", 240 x 320 pixels

Mode: Portrait

Operating indicators

Visual: 2 LEDs (red/green/orange scanning indication & charging indicator)

Non-visual: Vibrate, speaker

Operating keys

Entry options: 26 keys total, 12 key (alpha)numeric keypad, 4-way navigation keys, function key, backspace key, Enter key, Alpha key, Escape key, Shift key, 3 scan keys.

Communication

USB: Micro USB OTG, ver 2.0

Bluetooth: 2.1 + EDR

W-LAN: 802.11 a/b/g/n; WEP, WPA, WPA2; WEP, TKIP, AES; Static (40 and 128 bit), PSK (pre-shared), Dynamic; EAP, PEAP,LEAP; Cisco CCX version 4

Audio: Speaker

Extension: User accessible microSD

Power

Rechargeable battery: Lithium-Ion 3.7V 1800mAh (sold separately)

Backup Battery: fixed rechargeable Lithium-Ion 15mAh

Charging method: Through USB cable (enclosed item) or cradle (sold separately)

Barcode Scanner Optics

Light source: 650 nm visable laser diode

Scan rate: 100 scans / seconds

Reading pitch angle: ± 35°

Reading skew angle: -50 to -8°, +8 to +50°

Reading tilt angle: ± 20°

Curvature: R≥15 mm (EAN8), R≥20 mm (EAN13)

Min. pcs value: 0.45

Depth of field at code 39: 60 - 120 mm (0.127 mm) / 2.36 - 4.72 in (5 mil), 50 - 150 mm (0.15 mm) / 1.97 - 5.91 in (6 mil), 50 - 260 mm (0.25 mm) / 1.97 - 10.24 in (10 mil), 50 - 420 mm (0.5 mm) / 1.97 - 16.54 in (20 mil), 70 - 650 mm (1.00 mm) / 2.76 - 25.59 in (39 mil)

Supported symbologies

Barcode (1D): AN/UPC/EAN incl. add on, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 Databar (RSS), IATA, ISBN, Industrial 2of5, interleaved 2of5, Matrix 2of5, MSI/Plessey, Telepen

Postal Code: Chinese Post, Korean Postal Authority code

Durability

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% RH

Humidity in storage: 20 % to 90% RH

Ambient light in 1D: Fluorescent 4,000 lx max, direct sun 80,000 lx max, incandescent 4,000 lx max

Drop test: 1.5 m / 5 ft drop onto concrete surface

Protection rate: IP54

Physical

Dimensions (WxHxD): 64.8 x 145.7 x 26.8 mm / 2.55 x 5.74 x 1.06 in

Weight body: Ca. 195 g / 6.9 oz (inc. battery)

Case: Black

Regulatory & Safety

Product compliance: CE, FCC, RoHS, IEC60825-1 Class 2, FDA CDRH Class II, EN55022, EN55024

Items

Enclosed: USB cable, Wriststrap, Quick start guide, Stylus + cord

Sold Separately: Rechargeable battery (3.7V 1800mAh), CRD-32 (single USB (active sync), Ethernet, communication, charging), Holster

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