

# H-32

## Rugged Mobile Device



### 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" transreflective 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, 5 foot drop to concrete
- Compact size: 2.55" x 5.74" x 1.06" (WxHxD), 6.9 ounces including battery
- Two year warranty

# H-32

## Product Specifications

### OPERATION

**CPU:** AM3354 ARM Cortex A8, 800 MHz

**OS:** Windows Embedded Compact 7

**SOFTWARE:** Wordpad, Internet Explorer, Active Sync, Opticon scanner application, Upgradeable via integrated microSD card slot

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

### MEMORY

**NAND FLASH:** 256 MB

**RAM:** 256 MB mobile DDR2

**EXPANSION:** User accessible MicroSDHC

### DISPLAY

**TYPE:** Transflective QVGA with touch panel, with white LED backlight

**SIZE:** 2.8 in, 240 x 320 pixels

**MODE:** Portrait

### OPERATING INDICATORS

**VISUAL:** 2 LEDs (red/green scanning indication and charging indicator)

**AUDIBLE:** Vibrate, Speaker

### OPERATING KEYS

**ENTRY OPTIONS:** 26 keys total, 12 key (alpha) numeric keypad, 4-way navigation keys, function key, backspace key, power key, enter key, alpha key, escape key, shift key, 3 scan keys,

### COMMUNICATION

**USB:** Micro USB OTG, version 2.0

**BLUETOOTH:** Version 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 I/O

### POWER

**RECHARGEABLE BATTERY:** Lithium-Ion 3.7V 1800mAh (sold separately)

**BACKUP BATTERY:** fixed rechargeable Lithium-Ion 15mAh

**CHARGING METHOD:** Through Micro USB cable (enclosed item) or cradle (sold separately)

### 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 (EAN8), R>20 (EAN13)

**MINIMUM PCS VALUE:** 0.45

**DEPTH OF FIELD:** At PCS 0.9, Code 39

39 mil (1.0 mm) 2.76 - 25.59 in (70 - 650 mm)

20 mil (0.5 mm) 1.97 - 16.54 in (50 - 420 mm)

10 mil (0.25 mm) 1.97 - 10.24 in (50 - 260 mm)

6 mil (0.15 mm) 1.97 - 5.91 in (50 - 150 mm)

5 mil (0.127) 2.36 - 4.72 in (60 - 120 mm)

### SUPPORTED SYMBOLOGIES

**BARCODE (1D):** JAN/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

**BARCODE (2D):** Composite Codes, MicroPDF417, PDF417

**BARCODE (POSTAL CODES):** Chinese Post, Korean Postal Authority code

### DURABILITY

#### TEMPERATURE:

Operation: 14 - 122°F (-10 - 50°C)

Storage: -4 - 140°F (-20 - 60°C)

#### HUMIDITY:

Operation: 20% to 80% RH

Storage: 20% to 90% RH

**DROP TEST:** 5 ft (1.5 m) drop onto concrete surface

**PROTECTION RATE:** IP 54

### PHYSICAL

**DIMENSIONS (WXHXD):** 2.55 x 5.74 x 1.06 in (64.8 x 145.7 x 26.8 mm)

**WEIGHT BODY:** Ca. 6.9 oz (195 g) (incl. battery)

**CASE:** Black

### REGULATORY AND SAFETY

**PRODUCT COMPLIANCE:** CE, FCC, RoHS, IEC 60825-1 Class 2, FDA CDRH Class II

### ENCLOSED ITEMS

USB cable, Handstrap, Quick start guide, Stylus + cord

### SOLD SEPARATELY

**RECHARGEABLE BATTERY:** 3.7V 1800mAh

**CRD-32:** Single USB/RS232 cradle, communication, charging

**CRD-32-E5:** Multi-cradle, 5 slots, Ethernet communication, charging

**HOLSTER**

© Copyright Opticon. All rights reserved. This information is subject to change without prior notice. For availability, contact your local representative. H-32\_110215



### SBE Direct

30, rue de PENTHIEVRE - 75008 PARIS

TEL : 01. 42. 25. 23. 23. FAX : 01. 42. 25. 44. 00.

Site Web : [www.sbedirect.com](http://www.sbedirect.com)

Courriel : [contact@sbedirect.com](mailto:contact@sbedirect.com)

[WWW.OPTICONUSA.COM](http://WWW.OPTICONUSA.COM)