

H-32

Rugged Mobile Device

Windows Embedded Compact 7

USB

Bluetooth

Wi-Fi



+ Features and Benefits

- 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" transfective 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' drop to concrete
- Compact size: 2.52" x 5.63" x 1.1" (w x h x d), 6.9 ounces including battery
- Two year warranty

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", 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), power supply (sold separately) 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 (1.00 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 mm): 2.36 - 4.72 in (60 - 120 mm)

Supported Symbolologies

- **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 (Postal Codes):** Chinese Post, Korean Postal Authority code
- **Barcode (2D):** Composite Codes, MicroPDF417, PDF417

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) onto concrete surface
- **Protection Rate:** IP 54

Physical

- **Dimensions (WxHxD):**
2.52 x 5.63 x 1.1 in (64 x 143 x 28 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

- **Power Supply:** 5V 1A, with EU, US plug
- **Standard Battery:** 3.7V 1800mAh
- **CRD32:** Single USB cradle, communication, charging
- **CRD32-E5:** Multi-cradle, 5 slots, Ethernet communication, charging
- **Holster**