

# HX2 Rugged Wearable Computer

 **HANDS-FREE COMPUTERS**

Impact resistant screen made from the same materials found in fighter-jet cockpit windows.

Magnesium alloy front ensures survival in rugged environments.

Standard and extended battery options to meet your operation's needs.

Crisp sunlight-readable display allows easy viewing in any lighting condition.

Touch screen for easy input.

Large, backlit keys are fully mappable so you can customize for specific applications.

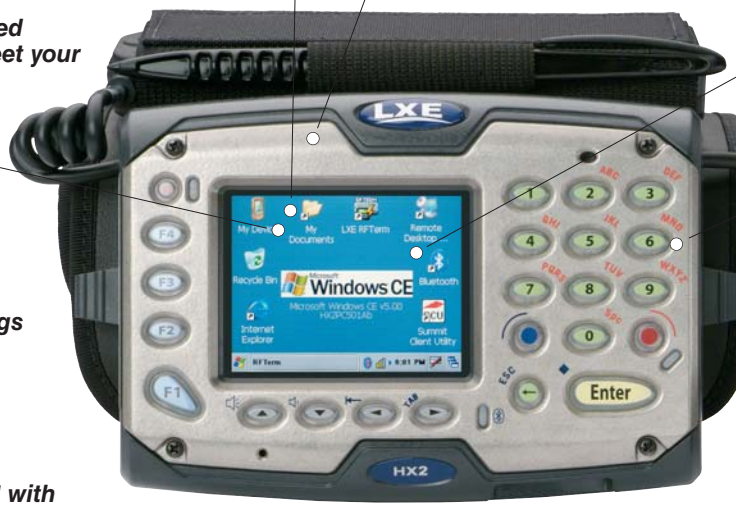
Crucial components break away from snags improving operator safety.

Multiple data-capture options with laser ring scanner or 2D imager ring.

Eyes-Free Keyboard™ with variably-sized keys allows for "no-look" navigation and data input.

Small, light-weight design (< 5" wide) offers comfort for full-shift operations.

Innovative arm band avoids slippage by comfortably securing the HX2 where you want it.



**Call MIDCOM Today...**  
**(800) 643-2664**

**Compact and comfortable**

The HX2, designed to be worn on the arm or waist, frees both hands enabling more efficient warehouse inventory moves. Loaded with the latest Windows® CE 5.0 Professional OS, and an 802.11b/g radio with Bluetooth option, you're prepared for the real-time business of today and tomorrow.

An innovative arm band comfortably secures the HX2 to the operator, preventing the unit from rotating - a common frustration associated with other wearables.

The unit's large backlit variably-sized keys have been specially designed for high-speed picking, and its extraordinarily bright, sunlight-readable color display offers easy viewing in any lighting condition and from any angle.

**Tough as nails**

The light-weight HX2's magnesium alloy front and impact-resistant display keep the unit in service and out of the repair shop. And the LXE ring scanners are built as tough as the main computer.

*The HX2 is supported by LXE's award-winning support team, Mobile Star Award™ winners for best customer service, five years in a row.*



**Ask About our FREE  
Try & Buy Program**

# HX2

## Technical Specifications



### Processing & Memory

- XScale® PXA255 CPU 400MHz
- 128MB SDRAM
- 128MB or 512MB Flash

### Operating System

- Windows® CE 5.0 Professional Plus
- Non-volatile storage of resident drivers, applications and settings

### Optional Software

- RFTerm® Windows® CE Terminal Emulations (VT220, TN5250, TN3270) multi-session, multi-host hot-key support, w/programmable function keys
- AppLock utility controls user application access & unwanted configuration chgs
- Personal JAVA 1.2 JVM
- Localization for English, simplified Chinese, traditional Chinese, Korean, Thai and Japanese
- Barcode wedge, RF, audio mixer, power management and diagnostic utilities
- SDK with Microsoft® & LXE APIs
- Support VoIP (PTT) and voice recognition software

### Eyes-Free Keyboard™

- 23 large backlit keys with hard caps for long life and abrasion protection
- 4 one-touch function keys
- Full keyboard mapping support

### Displays & Touch Screen

- Sunlight readable 320 x 240 (¼ VGA) TFT color display, 350 NIT brightness
- High impact resistant touch screen with stylus - accepts finger input
  - o Touch screen can be disabled

### Power System & Management

- 10+ hr standard battery (w/typical use)
- 20+ hr extended battery (w/typical use)
- Batteries are remotely tethered for added flexibility and comfort
- Backup battery w/automatic charging for main battery hot swap

- Active power management (configurable)

### Interfaces

- Ring scanner interface
- Built-in microphone & speaker for VoIP (PTT)
- Speaker supports > 102 dB volume
- Headset port for VoIP (PTT) and voice recognition
- USB host, USB client, RS-232 through cradle
- Power input

### Radio Card Support

- 802.11b/g WLAN radio (Wi-Fi certified)
- Supports WPA and WPA 2
- Optimized internally integrated diversity antenna
- Bluetooth 2.0+EDR w/class 2 radio

### Enclosure

- Magnesium alloy bezel with high impact plastic case
- Dimensions: 4.98" x 3.51" x 1.43" (12.6cm x 8.9cm x 3.6cm)
- Weight:
  - HX2 - 9.3oz (264g)
  - SR laser ring - 1.5 oz (42g)
  - Standard battery - 4.0oz (114g)

### Environmental

- Temperature Rating
  - Operating: -4°F to 122°F (-20°C to 50°C)
  - Storage: -4°F to 158°F (-20°C to 70°C)
- Humidity Operating: 5% to 90% RH non-condensing at 104°F (40°C)
- Drop Specification:
  - 4ft (1.2m) multiple drops to concrete
- Ingress protection enclosure rating: IEC 60529 compliant to IP54

### Barcode Ring Scanner

- SR laser ring - 45" scan distance
  - Available w/long cables to attach to hip flip or voice case
- 2D imager ring - 21" scan distance
  - Available w/long cables to attach to hip flip or voice case
  - o Enhanced white LED flash illumination

### Approvals

- Emissions (EMI)
  - FCC Part 15 Subpart B, Class A
  - Industry Canada ICES-003 Class A
  - EN 55022, Class A (CISPR22)
- Immunity (EMC)
  - EN 55024:1998
- Safety
  - UL 60950
  - CSA C22.2 No. 60950
  - EN 60950, IEC 60950
- Laser Safety
  - CDRH:21 CFR 1040.10,
  - EN 60825-1 and IEC 60825-1
- Radios separately approved to:
  - FCC Part 15, Subpart C
  - Industry Canada RSS 210, RSS 102, RSS 139 and/or 210
- R&TTE Directive:
  - EN 300 328, EN 300 826, EN 60950
  - FCC Part 15 Subpart B, Class A
  - Industry Canada ICES-003 Class A

### Wearable Accessories

- Arm band - fully adjustable comfort straps, snap-on HX2 attachment, quick-slide battery pocket. Designed for right or left hand usage. --switching between arms is simple
- Belt mounted hip-flip
- Belt mounted voice case

### Accessories

- 6 bay battery charger w/analyzer
- Desktop cradle - powers HX2, 2 battery charging slots, USB host, USB client and RS-232.
- HX2 ActiveSync cable (does not require cradle)
- HX2 headset adapter cable
- HX2 replacement battery cable
- HX2 battery extension cable (allows battery to be worn a greater distance from the HX2)
- USB host cradle cable
- USB client cradle cable
- RS-232 cradle cable

