

# HX2 Rugged Wearable Computer



- Impact-resistant touch screen
- Crisp, sunlight-readable color display

Individual soft components (wrist and ring mount pads) are and lightweight and washable

## HANDS-FREE COMPUTERS

Standard and extended battery options

Quick-release design ensures worker safety

Small, lightweight design (< 5" (127mm) wide) offers comfort for full-shift operations



Keypad Options:

- Color-coded double-tap (left)
- Triple-tap (right)



Triple-tap keypad

Large, backlit keys

Magnesium alloy housing

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

Smooth, low-profile trigger easily rotates for instant hand swapping.

## LXE is\_RUGGED MOBILE COMPUTERS.

### Compact and comfortable

The HX2, voice ready and designed to be worn on the wrist or waist, frees both hands making it an ideal solution for high-volume scanning and picking environments.

An innovative and lightweight wrist mount comfortably secures the HX2 to the operator, preventing the unit from slipping and rotating. Individual wrist and ring mount pads are removable and washable for each operator's personal hygiene.

The hip-flip accessory allows the voice ready HX2 to be worn on the waist. Combined with the Bluetooth Ring Scanner and a headset, the operator is ready for voice-directed, hands-free work.

### Tough as nails

The lightweight HX2's rugged front and impact-resistant display keep the unit in service and out of the repair shop. And the LXE ring scanners are built just as tough with a strong yet lightweight magnesium alloy housing.

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



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# 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® (VT220, TN5250, TN3270)
- 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

### Application Development

- Free SDK available through LXE's Developer Portal <http://www.lxe.com/developer>
- Sample code for each API call
- Complete example applications
- Developer-related FAQs

### Keyboard

- 23-key alpha-numeric backlit keyboard
- Full keyboard mapping support
- Two options for alpha entry:
  - Double-tap alpha entry via color-coded legend
  - Triple-tap alpha entry (cell phone style)

### Displays & Touch Screen

- Sunlight-readable 320 x 240 (¼ VGA), 2.5" screen, TFT color display, 350 NIT brightness
- Impact-resistant touch screen for stylus or finger input
  - Touch screen can be disabled

### Barcode Ring Scanner

- SR laser ring - 45" (1.14m) scan distance
- 2D imager ring - 21" (.53m) scan distance
  - Enhanced white LED flash illumination
- Both rings available w/ long cables to attach to hip-flip or voice case

### Power System & Management

- 2000 MaH (10+ hr standard battery-typical use)
- 4000 MaH (20+ hr extended battery-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
- Speaker supports >102 dB volume
- Headset port
- USB host, USB client, RS-232 through cradle
- Power input

### Radio Card Support

- 2.4GHz 802.11 b/g radio
- 2.4GHz/5.0GHz 802.11 a/b/g radio
- Supports WPA and WPA 2
- Internal diversity antenna
- Bluetooth® 2.0+EDR w/class 2 radio
- Cisco CCXv4 Certified

### Enclosure

- High-impact plastic case
- Dimensions: 4.98" x 3.51" x 1.43" (126mm x 89mm x 36mm)
- 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 (1.22m) multiple drops to concrete
- Ingress protection enclosure rating:  
IEC 60529 compliant to IP54

### 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
- RoHS compliant

### Wearable Accessories

- Wrist mount - adjustable comfort straps, removable and washable
- Ring mount - removable & washable
- Belt mounted hip-flip
- Belt mounted voice case
- Alternative battery mounting option

### 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

