

HX2 Rugged Wearable Computer



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

Individual soft components (wrist and ring mounts) are and lightweight and washable

HANDS-FREE COMPUTERS

Keypad Options:

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



Triple-tap keypad

Large, backlit keys

Magnesium alloy housing

Standard and extended battery options

Quick-release design ensures worker safety



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

Removable, washable ring mount/trigger

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

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 mounts 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.



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

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

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

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

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

