HX2
Rugged Wearable Computer

VOICE READY

HANDS-FREE COMPUTERS

- Small, lightweight design (< 5" 127mm wide) offers comfort for full-shift operations
- Large, backlit keys
- Quick-release design ensures worker safety
- Standard and extended battery options
- Impact-resistant touch screen
- Crisp, sunlight-readable colour display

- Multiple data-capture options with laser ring scanner or 2D imager ring
- Keypad Options:
  - Colour-coded double-tap
  - Triple -tap
- Individual soft components (wrist and ring mounts) are lightweight and washable
- Removable, washable ring mount/trigger

LXE is_RUGGED MOBILE COMPUTERS AND SECURE WIRELESS NETWORKS.

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.

LXE

www.lxe.com

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
- Localisation 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'sDeveloper Portal 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 colour-coded legend
  - Triple-tap alpha entry (cell phone style)

Displays & Touch Screen
- Sunlight-readable 320 x 240 (1/4 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 w/ typical use)
- 4000 mAh (20+ hr extended battery w/ typical use)
- Batteries are remotely tethered for added flexibility and comfort
- Backup battery w/ automatic charging formain 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
- 802.11b/g WLAN radio (Wi-Fi certified)
- 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" (126.5mm x 89.2mm x 36.3mm)
- 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" (114 cm) scan distance
- 2D imager ring - 21" (53cm) 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/ analyser
- 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

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