HX2
Rugged Wearable Computer

LXE | FLEX | Wearable Computers

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.

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.

RUGGEDNESS
Impact-resistant touch screen.

COMFORT
Small, light-weight design offers comfort for full-shift operations. Multiple data-capture options with laser ring scanner or 2D imager ring.

KEYPAD OPTIONS
• Colour-coded double-tap.
• Triple-tap.

OUTDOOR DISPLAY   IP 54   1.2 m   VOICE READY

LXE ®

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HX2

TECHNICAL SPECIFICATIONS

PLATFORM

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

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)

Display & Touchscreen
- 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 for main battery hot swap
- Active power management (configurable)

Enclosure
- High-impact plastic case
- Dimensions: 126.5mm x 89.2mm x 36.3mm
- Weight:
  HX2 - 264g
  SR laser ring - 42g
  Standard battery - 114g

CONNECTIVITY

Optional Software
- RFTerm® (VT220, TN5250, TN3270)
- AppLock utility controls user application-access & unwanted configuration changes
- 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

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
- 802.11a/b/g
- 802.11 b/g + Bluetooth
- Internal diversity antenna
- Bluetooth 2.0+EDR w/class 2 radio

RUGGEDNESS

Environmental
- Temperature Rating
  Operating: -20ºC to 50ºC
  Storage: -20ºC to 70ºC
- Humidity
  Operating: 5% to 90% RH non-condensing at 40ºC
- Drop Specification: 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

DATA CAPTURE

Bar Code Ring Scanner
- SR laser ring - 114 cm scan distance
- 2D imager ring - 53cm scan distance
  - Enhanced white LED flash illumination
- Both rings available w/ long cables to attach to hip-flip or voice case

ACCESSORIES

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

Other 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

Download accessory catalogue at www.lxe.com

CE

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