

HX2

Rugged Wearable Computer

VOICE
READY



HANDS-FREE COMPUTERS

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

Magnesium alloy front and impact-resistant screen ensure survival in rugged environments.

Small, light-weight design offers comfort for full-shift operations.

Crucial components break away from snags improving operator safety.

Voice ready with ToughTalk™ technology for voice-directed applications.

Touch screen for easy input and programming.



Various sized keys allows "blind" navigation and input.

Crisp colour indoor/outdoor display for easy viewing in any lighting condition and from any angle.

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

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

Innovative arm bands avoid slippage by comfortably securing the unit where you want it.

LXE is RUGGED MOBILE COMPUTERS AND SECURE WIRELESS NETWORKS.

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 OS, and an 802.11 radio with Bluetooth option, you're prepared for the real time business of today and tomorrow. Innovative arm bands comfortably secure 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, indoor/outdoor colour 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.



LXE

www.lxe.com

HX2

Technical Specifications



Processing & Memory

- Intel® 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
- VoIP (PTT) & 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

Display & 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
- Touch screen can be disabled

Power System

- 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)
- 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
- RS409 SR laser ring - 45" scan distance

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, quickslide battery pocket (designed for right or left hand usage and switching between arms is simple)
- Belt mount 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
- USB host cradle cable
- USB client cradle cable
- RS-232 cradle cable
- 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)



LXE Inc.

125 Technology Parkway – Norcross - Georgia 30092 – USA
Tel. +1-770-447 4224 – Fax +1-770-447 4405
E-mail info@lxe.com

LXE International

Generaal de Wittelaan 19-14 – 2800 Mechelen – Belgium
Tel. +32-15-29 28 20 – Fax +32-15-20 71 54
E-mail RF4U@lxe.com

LXE Belgium +32-15 29 28 20 – info.be@lxe.com • LXE U.K. +44-1494 46 46 80 – info.uk@lxe.com • LXE Netherlands +31-346 21 70 70 – info.nl@lxe.com
LXE Italy +39-06 91 80 14 82 – info.it@lxe.com • LXE France +33-1 41 47 99 99 – info.fr@lxe.com • LXE Germany +49-2461 690 450 – info.de@lxe.com
LXE Sweden +46-8 544 445 50 – info.se@lxe.com • LXE Australia +61-2 9666 57 51 – info.au@lxe.com • LXE Middle East +971-4 395 49 18 – info.middle-east@lxe.com
LXE Singapore +65-6278 0593 – info.singapore@lxe.com • LXE China +86 21 6124 9688 – info.china@lxe.com

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