

HX3

Rugged Voice Computer



HANDS-FREE COMPUTERS

Magnesium alloy bezel with high impact case for survival in harsh environments.

Standard and extended battery options conform to your specific shift requirements.

Rugged custom 4-pin headset socket.

Built on open technologies:

- 802.11b/g radio
- Windows® CE 5.0 OS
- Bluetooth 2.0+EDR



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

Large Eyes-Free Keyboard simplifies common tasks.

Multi-modal data-capture options include laser ring scanner or 2D imager ring.

Built-in customer service with "ServicePass Complete".

Low-profile pouch comfortably secures the HX3 to the operator's waist freeing the hands and enabling more efficient inventory moves.

LXE is RUGGED MOBILE COMPUTERS AND SECURE WIRELESS NETWORKS.

Perfect Voice Platform

The HX3 voice computer is truly an open system, non-proprietary device. It gives voice integrators a perfect platform for deploying voice-centric applications. Built with ToughTalk™ technology, a specialised combination of LXE's trademark rugged system design, advanced audio circuitry and noise-canceling techniques, the HX3 offers high quality speech exchange capabilities in the harshest environments, even in cold stores at -40°C.

Lightweight and multimodal

The lightweight HX3 computer is designed to be 'forgotten' by the operative using it, by offering a natural interaction with the voice-driven logistics system. A simple programmable keypad executes common tasks easily. The HX3 hands-free computer also supports wired and wireless headsets, barcode scanners and imagers for multimodal applications. And like all LXE computers, the HX3 is Born Rugged, Not Made Rugged™.



HX3

Technical Specifications



Processing & Memory

- PXA255 400MHz
- 128MB SDRAM
- 128MB or 512MB Flash

Operating System

- Windows® CE 5.0 Professional Plus
- Non-volatile storage of resident drivers, applications and settings

Software

- Barcode wedge, RF, audio mixer, power management and diagnostic utilities
- SDK with Microsoft® & LXE APIs
- Support VoIP (PTT) and voice recognition software

Eyes-Free Keyboard™

- 4 large keys with hard caps for long life and abrasion protection
- 3 functional keys + 1 modifier key allows 3 one-touch keys and 3 two-touch keys
- Unique key shapes for easy Eyes-Free navigation
- Keyboard mapping support

Power System & Management

- 12-hr standard battery (w/typical use)
- 24-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
- Speaker supports > 102 dB volume
- Headset interface for voice recognition and VoIP
- USB host, USB client, RS-232 through cradle
- Power input

Radio Card Support

- 802.11b/g WLAN radio
- Supports WPA and WPA 2
- Optimized internal diversity antenna
- Bluetooth 2.0+EDR 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:
HX3 - 9.3oz (264g)
SR laser ring - 1.5 oz (42g)
Standard battery - 4.6oz (130g)

Environmental

- Temperature rating
Cold start down to -4°F (-20°C)
Operation in freezers to -40°F (-40°C) when worn under an outer garment.
Maximum operating temperature 122°F (50°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
- Enhanced white LED flash illumination

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

- Belt-mounted hip-flip
- Belt-mounted voice case

Accessories

- 6 bay battery charger w/analyzer
- Desktop cradle - powers HX3 computer, 2 battery charging slots, USB host, USB client and RS-232
- ActiveSync cable (does not require cradle)
- Headset adapter cable
- Replacement battery cable
- Battery extension cable (allows battery to be worn a greater distance from the HX3)
- USB host cradle cable
- USB client cradle cable
- RS-232 cradle cable



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