

# HX3 Rugged Voice Computer



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

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

*Built on open technologies, the HX3 is loaded with:*

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



*The large Eyes-Free Keyboard simplifies common tasks.*

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

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

*Small, lightweight design offers comfort for full 8-hour shift operation.*

## LXE is RUGGED MOBILE COMPUTERS.

### Flexible features fit your specific needs

The smooth-talking HX3 voice-dedicated computer offers industry-leading versatility for your voice-directed logistics applications. Built with ToughTalk™ technology, a specialized combination of LXE's trademark rugged system design, advanced audio circuitry and noise-canceling techniques, the HX3 voice computer is ready to support today's best-of-breed voice solutions. The HX3 hands-free computer also supports wireless and wired barcode scanners, imagers and headsets. And, a simple programmable keypad executes common tasks easily.

### Unyielding durability

The lightweight HX3 voice-directed computer won't give in when it comes to ruggedness. Protected by a magnesium alloy bezel and a high-impact case, this unit can survive harsh conditions. Cold environment? No problem; the HX3 voice unit will keep talking - even in freezer environments to -40° F (-40° C). Now that's cool.

*The HX3 is supported by LXE's award-winning support team, winners of the Mobile Star Award™ for best customer service six years in a row.*



# HX3

## 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

### 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

- 2.4GHz 802.11 b/g radio
- 2.4GHz/5.0GHz 802.11 a/b/g 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" (126mm x 89mm x 36mm)
- 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
  - Tethered with long cables to attach to voice case
  - Wireless Bluetooth
- 2D imager ring - 21" scan distance
  - Tethered with long cables to attach to voice case
  - Wireless Bluetooth

### 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

