HX3 Rugged Voice Computer

HANDS-FREE COMPUTERS

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

The large Eyes-Free Keyboard simplifies common tasks.

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

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

Built on open technologies, the HX3 is loaded with:
- *802.11b/g radio*
- *Windows® CE 5.0 OS*
- *Bluetooth 2.0+EDR*

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

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

LXE is_RUGGED RELIABLE 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 light weight HX3 voice-directed computer won't give when it comes to ruggedness. Protected by a magnesium 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. Now that's cool.

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

LXE®

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

- 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
  o 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