

HX1 with ToughTalk™ Technology



HANDS-FREE COMPUTERS

Comfortable headset and compact wearable computer allow for hands-free operation and a more productive operator.

Open systems VoiceXML browser--the latest open standard voice application development tool available.*

The speedy Intel® XScale® 400MHz processor, coupled with a generous memory allocation, offers rapid response times.



Lightweight yet tough enough to survive 6-foot drops to concrete, with an IP64 rating to survive in hostile environments.

LXE is RUGGED RELIABLE MOBILE COMPUTERS.

Dedicated voice directed computing with ToughTalk technology

With a lightweight yet rugged design, the purpose-built HX1 computer is engineered to optimize warehouse operator productivity. Built with LXE's ToughTalk technology, a specialized combination of LXE's trademark ruggedized system design, advanced audio circuitry and noise canceling techniques, the HX1 supports industrial grade voice recognition applications.

Open systems hardware and software

The HX1's open systems hardware and software architecture are designed to support any open systems voice application. The HX1 offers an optional VoiceXML browser* which provides WMS developers a standard software interface and allows more application, and hardware platform choices.

And the HX1 is supported by LXE's award-winning support team, Mobile Star Award™ winners for best customer service, six years in a row.



*VoxBrowser™
Powered by Voxware™



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HX1

Technical Specifications



Processing & Memory

- Intel® XScale® PXA255 400MHz
- 128MB SDRAM
- 64MB Flash

Voice Hardware Interface

- ToughTalk technology includes a state-of-the-art low power digital circuitry with 18 bits audio codec, digital filters, Sigma-Delta ($\Sigma\Delta$) modulation and sensitive analog circuitry for effective noise-reduction

Operating System

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

Power System

- Four (4)-cell Li-Ion "smart" rechargeable battery pack
- 2200mAh, 14.8V
- Battery life:
 - At 68°F (20°C); 12-hours typical useage
 - At -4°F (-20°C); 10-hours typical useage
 - At -40°F (-40°C); 7-hours typical useage
- Three (3)-hour recharge time (typical)

Headsets

- All headset options include directional noise-canceling microphones with safety quick disconnects
- Single ear headset with mic
- Dual ear headset with mic
- Behind-the-head dual ear headset with mic

Interfaces

- USB Client
- (2) Serial RS-232

Radio Support

- 2.4GHz 802.11b/g radio

- WEP
- WPA and WPA2
- Integrated optimized antenna

Enclosure

- Rugged lightweight magnesium housing
- Size: 9.0" x 1.6" x 3.1"
- Weight: 22oz with battery and case

Environmental

- Operating temperature: -40°F to 131°F (-40°C to 55°C)
- Storage temperature: -4°F to 140°F (-20°C to 60°C)
- Humidity (operating): 5 to 95% RH, non-condensing
- Drop specification: multiple 6ft drops to concrete without damage
- Ingress protection: IP64 IEC 529 sections 13.4 and 14.2.4
- Thermal Shock -4°F to 104°F (-20°C to 40°C in 5 minutes)

Approvals

- Emissions
 - FCC Part 15 Subpart B, Class A
 - EN 55022, Class A (CISPR 22)
- Immunity (EMC)
 - EN 55024:1998
- Radio
 - FCC Part 15C
 - Industry Canada RSS 210
 - EN 300 328
- RoHS compliant version available

Accessories

- 4-bay battery charger/analyzer
- Walkie-Talkie set with cable for training new users
- Various configuration and communication cables
- Various replacement foam ear and mic pads

