

# MX3X Rugged Handheld Computer



HANDHELD COMPUTERS



*High performance  
802.11a/b/g radio for  
mobile connectivity to  
your enterprise network.*

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

*Customize the unit  
with multiple endcap  
options including a bar  
code scanner.*

*Improve productivity with  
full-shift Li-Ion battery.*

*Polycarbonate/ABS  
plastics - absorbs  
impact vs. shattering  
on impact.*

*Ten dedicated function keys  
allow for one-touch  
application functionality.*

*Compatible with RFTerm®  
emulation, JAVA, & Citrix.*



*Large 6.5" (165mm) high  
visibility mono or color  
display with touch screen  
for crystal-clear viewing.*

*Fully-rugged, epoxy-  
coated, glowing QWERTY  
keypad with programmable  
keys makes data entry a  
breeze.*

*With an easy in/out docking  
system, the MX3X conveniently  
transforms between handheld  
& vehicle-mount usage.*

## LXE is RUGGED MOBILE COMPUTERS.

### Power packed unit with flexible features

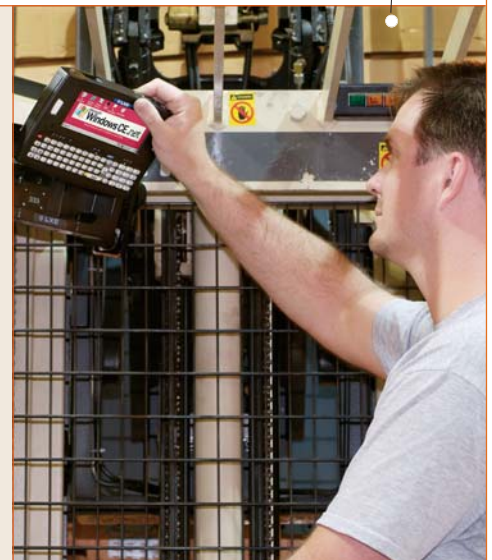
The MX3X is equipped with a powerful Intel® XScale® processor and runs the industry standard Windows® CE .NET or Windows CE 5.0 Professional OS. With CE you gain access to Microsoft's .NET Compact Framework; loaded with smart management tools allowing you to personalize your computing experience.

The MX3X ships voice ready with ToughTalk™ technology, a specialized combination of LXE's trademark rugged system design, advanced audio circuitry and noise canceling techniques - for industrial-grade, voice logistics applications.

### Rugged and reliable by design

The MX3X is a fully-rugged computer able to thrive in the most demanding operating conditions. You can drop it, hose it down, freeze it and still expect years of reliable service from this versatile compact computer.

*And the MX3X is supported by LXE's award winning support team, winners of the Mobile Star Award™ for best customer service six years in a row.*



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# MX3X

## Technical Specifications



### Processing & Memory

- Intel® XScale® PXA255 400MHz CPU
- 128MB Flash or 128MB RAM

### Software

- Windows® CE .NET 4.2 w/Compact Framework
- Windows® CE 5.0 Professional w/Compact Framework
- AppLock® utility controls user application access & unwanted configuration changes
- Barcode wedge, RF, power mgmt & diagnostic utilities
- API's for scanner, PCMCIA, serial, battery, power management, and version control
- SDK

### Optional Software

- RFTerm® Windows CE® Terminal Emulations (VT220, TN5250, TN3270) multi-session, multi-host hot-key support with programmable function keys
- Unique keyboard overlays to match each emulation type
- Wavelink Avalanche™ and LXE eXpress Config compatible
- Personal JAVA 1.2 JVM

### Keyboard

- 63 Key QWERTY format with (2) large user mappable scan keys
- 10 single touch function keys
- Phosphorescent "glowing" keys
- Epoxy-coated for resistance to abrasions & chemicals

### Displays & Touch Screen

- 640 x 240 1/2 VGA LCD
- 6.5" (165mm) diagonal
- Fully adjustable contrast & brightness
- Resistive touch screen with anti-glare coating & tethered stylus
- Options:
  - Transmissive (Indoor) hi-bright color with double tube CCFL backlight
  - Transflective (In/Outdoor) sunlight-readable monochrome w/hi-bright EL bklt

### Expansion

- (1) PCMCIA V.2.1 slot Type I, II, III
- (1) Compact Flash Slot Type I or II

### Power Supply & Management

- 10.8V, 2200mAh Li-Ion battery pack
- 8+ hour battery life with typical usage
- Battery charge time (typical)
  - 5-unit charger: 4 hours
  - Cradle: 6.5 hours
- Backup battery with automatic charging
- Power jack for external power
- Fully configurable active power management

### Interfaces

- (2) RS-232 port (D9) with configurable power for external devices
- (1) USB host port (D9)
- (1) USB client port (D9)
- Integrated barcode scanner
- Infrared (IR) communications port
- Beeper with adjustable volume control
- 2.5mm audio/microphone jack
- Bluetooth® (optional)

### Radio Card Support - PCMCIA

- 2.4GHz 802.11b/g radio
- 2.4GHz/5.0GHz 802.11a/b/g radio
- Optimized internal diversity antenna
- WPA or WPA2 security
- Cisco® CCXv4 certified
- Bluetooth®

### Enclosure

- High impact polycarbonate/ABS plastic
- Available in yellow and black
- Size: 8 in. x 6 in. x 1.35 in. (203mm x 152mm x 34mm)
- Weight:
  - Monochrome 33.2 oz. (941g) including radio, battery, & scanner
  - Color 34.5 oz. (979g) including radio, battery, & scanner

### End Cap Options

- (2) RS-232 ports
- (1) RS-232 port w/integrated bar code scanner
- (1) USB host port and (1) RS-232 port
- (1) USB client port and (1) RS-232 port
- (1) USB client port w/integrated bar code scanner
- (1) USB host port and (1) USB client port

### Environmental

- Operating temperature range:
  - Monochrome
    - 4°F to 122°F (-20°C to 50°C)
  - Color
    - 14°F to 122°F (-10°C to 50°C)
- Storage temperature range:
  - Monochrome
    - 22°F to 158°F (-30°C to 70°C)
  - Color
    - 4°F to 158°F (-20°C to 70°C)
- Humidity (operating):
  - 5% to 90% RH non-condensing at 104°F (40°C)
- Drop spec: 4-ft (1.2M) multiple drops to concrete
- Dust & water protection enclosure rating IEC 60529 compliant to IP66
- Shock & vibration testing exceeds MIL STD 810F

### Approvals

- Emissions (EMI)
- FCC Part 15 Subpart B, Class A
- Industry Canada ICES-003 Class A
- EN 55022:1998, Class A
- Immunity (EMC) EN 55024:1998
- Safety
  - UL 1950, CSA 22.2 No. 950, EN 60950 IEC 950
- Laser Safety
  - CDRH:21 CFR 1040.10 and 1040.11, EN 60825-1 and IEC 825-1
- Radios separately approved to FCC Part 15 Subpart C
- Industry Canada RSS 102, RSS 139 and/or 210
- R&TTE Directive: ETS 300 328, ETS 300 826, EN 60950
- RoHS compliant version available

### Accessories

- 5-unit battery charger
- Vehicle cradle with power supply
- Power adapters
- Nylon cases and holsters
- Memory cards
- Desktop cradle
- Data cables

