

MX3X Rugged Handheld Computer



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

*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.*

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



HANDHELD COMPUTERS



*Large 6.5" 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 RELIABLE 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 five years in a row.



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MX3X

Technical Specifications



Processing & Memory

- Intel® XScale® PXA255 400MHz CPU
- 64MB or 128MB Flash
- 64MB 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) multisession, multi-host hot-key support, with programmable function keys
- Unique keyboard overlays to match each emulation type
- VoxBrowser™ for voice recognition
- 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" 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 bkl

Power Supply & Management

- 10.8V, 1800mAh 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 bar code scanner
- Infrared (IR) communications port
- Beeper with adjustable volume control
- 2.5mm audio/microphone jack
- Bluetooth (future)

Expansion

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

Radio Card Support - PCMCIA

- 2.4GHz 802.11b/g radio
- Optimized internal diversity antenna
- WPA or WPA2 security
- Cisco® CCXv3 certified

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

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 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

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

Accessories

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

