

# MX7 Rugged Handheld Computer



## HANDHELD COMPUTERS



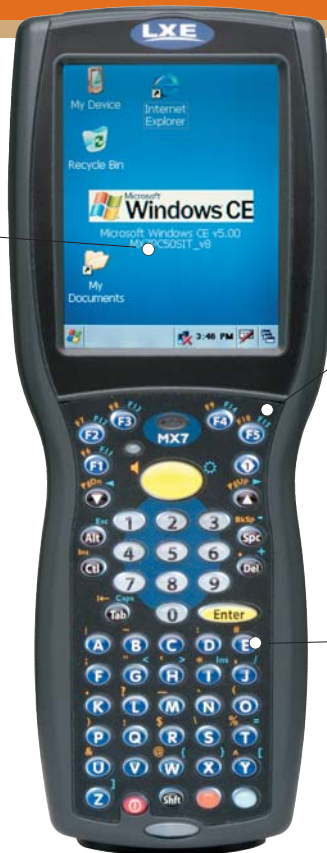
Voice-ready with ToughTalk™ technology for your voice-directed logistics applications.

Brilliant display offers crystal-clear viewing even in dimly-lit corners of your warehouse.

All-range scanning capabilities allow the capture of barcode data from 4" (101mm) - 40' (12m)

Removable, easy-grip handle with two-finger trigger and molded rubber grip for long shifts of scan intensive operations.

High performance 802.11 a/b/g radio, with Bluetooth® option for mobile connectivity to your enterprise network.



Single-touch function keys with fully-mappable keyboard allow customizable, one-click access to specific application functions.

Good Scan barcode vibration signal confirms data collection in the noisiest environments.

Backlit keyboard comes in a 55 or 32 key option. (below)

Optional protective boot extends drop specification.

## LXE is RUGGED MOBILE COMPUTERS.

### Optimized for your distribution center

The MX7 is ideal for a variety of data collection applications in warehouses and DCs. Designed for comfort, the MX7 is light enough for scan intensive picking yet tough enough to take a beating. With all-range scanning capabilities, efficiency rises as the MX7 collects barcode data from 4 in. to 40 ft. away.

The MX7 ships voice ready with ToughTalk™ technology, a specialized combination of LXE's trademark rugged system design, advanced audio circuitry and noise-cancelling techniques.

### More than muscle, it's smart too

Don't let its rugged exterior fool you, the MX7 is engineered with intelligence, speed, and flexibility. Driven by a Windows® CE operating system and an Intel® XScale® processor, the MX7 is powerful. With its 802.11 a/b/g radio, and Bluetooth® option you're ready for the real-time business opportunities of today and tomorrow.

And the MX7 is supported by LXE's award winning support team, winners of the Mobile Star Award™ for best customer service six years in a row.



# MX7

## Technical Specifications



### Processing & Memory

- Intel® XScale® PXA255 400MHz
- 128MB SDRAM
- 128MB, 512MB, or 1GB SD Flash

### Operating System

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

### Optional Software

- RFTerm® (TN5250, TN3270, VT220)
- AppLock utility controls user application access & unwanted configuration changes
- Java Virtual Machine
- Asian character sets
- VoxBrowser™ for voice recognition
- Wavelink Avalanche™ and LXE eXpress Config compatible

### Application Development

- Free SDK available through LXE's Developer Portal <http://www.lxe.com/developer>
- Sample code for each API call
- Complete example applications
- Developer-related FAQs

### Keyboard

- Backlit keys
- 55 & 32 key options
- Alpha-numeric or numeric-alpha
- Five dedicated function keys + user defined function keys
- Full keyboard mapping support
- TN5250 emulation overlay option on 55 key
- Keys are coated for resistance to abrasion

### Display

- 3.5" (88mm) 240 x 320 ¼ VGA TFT color LCD
- Bright LED backlight
- 280 NIT brightness
- Resistive touch screen with stylus

### Power Supply & Management

- 2200mAh 7.2V Li-Ion battery
- Full-shift battery life (w/typical usage)
- Backup battery w/automatic charging for main battery hot swap
- Main battery low warning
- Active power management (configurable)

### Interfaces

- USB Client
- RS-232
- Power for in-terminal charging
- Audio for headset, voice recognition application certified
- Speaker with adjustable volume control
- Large scan status LEDs; Power status LEDs

### Radio Support

- 2.4GHz 802.11b/g
- 2.4GHz/5.0GHz 802.11 a/b/g radio
- Internal diversity antenna
- WPA or WPA2 security
- Cisco® CCXv3 certified
- Bluetooth® 2.0 + EDR w/class 2 radio

### Enclosure

- Dimensions:  
8.8" x 3.4" x 2"  
(223mm x 86mm x 50mm)
- Weight  
21oz (595g) including radio, battery, and SR laser scanner

### Environmental

- Temperature rating  
Operating: 14°F to 122°F (-10°C to 50°C)  
Storage: -4°F to 158°F (-20°C to 70°C)
- Humidity  
Operating: 5% to 90%  
RH non-condensing at 104°F (40°C)
- Drop specification  
5ft (1.5m) multiple drops to concrete (w/handle)  
6ft (1.8m) w/rubber boot accessory (w/o handle)
- Ingress protection enclosure rating:  
IEC 60529 compliant to IP65
- Vibration testing: Based on MIL STD 810F

### Approvals

- Emissions (EMI)  
FCC Part 15 Subpart B, Class A  
EN 55022, Class A (CISPR 22)
- 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
- Radio  
FCC Part 15C  
Industry Canada RSS 210, 102  
EN 300 328
- RoHS compliant version available

### Bar Code

- Standard Range Laser
- All-Range Laser [4" (101mm) - 40" (12m)]
- 1D and 2D Imagers
- Good Scan vibration signal and easy view scan LEDs
- Full symbology support

### Accessories

- Handle w/2-finger trigger, molded rubber grip, and wrist strap
- 4+1 Battery charger analyzer
- Nylon hand strap
- Nylon holster w/belt
- Nylon case w/shoulder strap
- Nylon voice application case w/belt
- Rubber protective boot
- Powered vehicle-mount cradle
- Powered desk-top cradle
- Passive cradle with RAM® Mount



# MX7CS for Cold Storage

LXE | WORX | Mobile computers



The MX7CS rugged handheld computer is built for your freezer and cold storage applications. Designed with low-temperature batteries, specialised heaters and conformal coating, the MX7CS unit adapts easily from the freezing temperatures of your storage areas to warmer staging and dock areas - even in the hot summer months. This smooth, condensation-free transition will allow your operators to increase productivity.

And they'll appreciate the all-around functionality of the MX7CS computer: its light-weight design offers all-day comfort, while its backlit keys provide keyboard visibility in dark freezers.

The MX7CS computer is engineered with intelligence, speed, and flexibility.

Driven by a Windows® CE operating system and an XScale® processor, the MX7CS is powerful. With its 802.11a/b/g radio, and Bluetooth capability you're ready for almost anything... anywhere.



## PROVEN

Mobile computer of reference for the main actors in the cold chain industry.

## DESIGNED FOR COLD STORES

No fog, no frost, no condensation.

## RUGGED

IP 65-rated with up to 1.8m drop to concrete and cold-storage configurations.



IP 65



-30°C



1.5m  
1.8m w/rubber boot



VOICE READY



[www.lxe.com](http://www.lxe.com)

# MX7CS

## TECHNICAL SPECIFICATIONS



### PLATFORM

#### Processing & Memory

- Intel® XScale® PXA255 400MHz
- 128MB SDRAM
- 128MB, 512MB, or 1GB SD Flash

#### Operating System

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

#### Display

- 3.5" (8.8cm) 240 x 320 1/4 VGA TFT colour LCD
- Bright LED backlight
- 280 NIT brightness
- Resistive touch screen with stylus
- Heater with thermostat control

#### Keyboard

- Backlit keys
- 55, 32 key options
- Alpha-numeric, or numeric-alpha
- Five dedicated function keys + user defined function keys
- Full keyboard mapping support
- TN5250 emulation overlay option on 55 key
- Abrasion resistance key coating

#### Power System & Management

- Low-temperature 7.2V Li-Ion battery
- Full shift battery life (depends on usage and temperature)
- Backup battery w/automatic charging for main battery hot swap
- Main battery low warning
- Configurable active power management

#### Enclosure

- Dimensions: 22.3cm x 8.6cm x 5cm
- Weight: 595g including radio, battery and SR laser scanner

### CONNECTIVITY

#### Optional Software

- RFTerm® (TN5250, TN3270, VT220)
- AppLock utility controls user application access & unwanted configuration changes
- Java Virtual Machine
- Asian character sets
- Voice recognition
- Wavelink Avalanche™ and LXE eXpress Config compatible

#### Interfaces

- USB Client
- RS-232
- Power for in-terminal charging
- Audio for headset, voice recognition application certified
- Speaker with adjustable volume control
- Large scan status LED
- Power status LED

#### Radio Support

- 802.11b/g (2.4GHz)
- 802.11a/b/g (2.4GHz & 5GHz)
- 802.11b/g (2.4GHz) + Bluetooth
- 802.11a/b/g (2.4GHz + 5GHz) + Bluetooth
- Wi-Fi certified
- Internal diversity antenna
- WPA or WPA2 security
- Cisco® CCXv4 certified
- Bluetooth 2.0 + EDR w/class 2 radio

### RUGGEDNESS

#### Environmental

- Temperature rating  
Operating: -30°C to 50°C  
Storage: -20°C to 70°C
- Humidity  
Operating: 5% to 100% RH condensing (conformal coated electronics)  
RH non-condensing at 40°C
- Drop specification  
1.5m multiple drops to concrete (w/ handle)  
1.8m w/rubber boot accessory (w/o handle)
- Ingress protection enclosure rating: IEC 60529 compliant to IP65
- Vibration testing:  
Based on MIL STD 810F

#### Approvals

- Emissions (EMI)  
FCC Part 15 Subpart B, Class A  
EN 55022, Class A (CISPR 22)
- 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
- Radio  
FCC Part 15C  
Industry Canada RSS 210, 102  
EN 300 328
- RoHS compliant

### DATA CAPTURE

#### Bar Code

- Standard Range Laser
- "All-Range" Laser (4" - 40' / 10cm - 12m)
- 1D and 2D imager
- Good Scan vibrator signal and easy view scan LEDs
- Full symbology support
- Heater with thermostat control

### ACCESSORIES

- Handle w/2-finger trigger, moulded rubber grip, and wrist strap
- 4+1 Battery charger analyser
- Nylon case w/shoulder strap
- Nylon voice application case w/belt
- Rubber protective boot
- Powered vehicle-mount cradle
- Powered desktop cradle

- Passive cradle with RAM® Mount
- Nylon holster w/belt
- Nylon hand strap



Download accessory catalogue at [www.lxe.com](http://www.lxe.com)

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