MX7 Rugged Handheld Computer

HANDHELD COMPUTERS

CISCO
Compatible

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.

LXE®

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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

LXE®

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 ¼ 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

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