MX5 Rugged Handheld Computer

CISCO Compatible

Color TFT reflective display with touch screen for clear viewing both indoors and outdoors.

Ultra-rugged magnesium housing for use in extreme environments.

Can be equipped with an internal standard or long-range 1D and 2D barcode scanner for maximum flexibility.

Optional internal heater for operation in temperatures as low as -22° F (-30° C).

Optional trigger handle available.

Epoxy coated full alphanumeric keypad makes data entry a breeze.

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

Engineered to support LAN and WAN radios, enabling use in either the warehouse or the field.
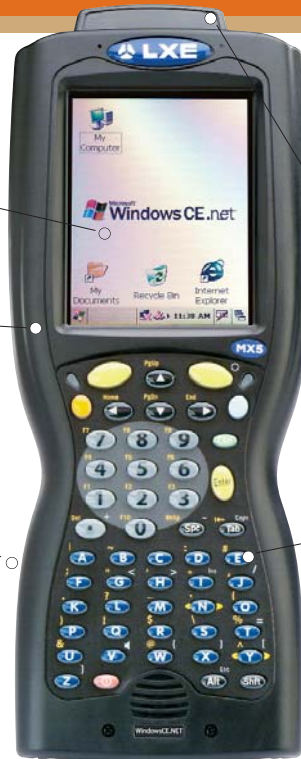
LXE is_RUGGED RELIABLE MOBILE COMPUTERS.

Ultra-rugged industrial ergonomics

The MX5 is LXE's toughest Windows® based handheld computer, designed for extreme environments - from hot and humid ports to ice cold storage facilities and anything in between. The MX5 boasts the industry's leading water seal rating, and can easily withstand multiple drops from six feet.

Highly reliable, industry-standard platform

The MX5's powerful XScale® processor and CE .NET operating system ensure a mobile logistics computing solution designed to meet the demands of today's and tomorrow's mobile enterprise.

And the MX5 is supported by LXE's award winning support team, winners of the Mobile Star Award™ for best customer service five years in a row.

LXE®

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MX5

Technical Specifications

Processing & Memory
- Intel® XScale® PXA255 400MHz CPU
- 128MB DRAM
- 256MB CF Flash

Operating Systems & Emulations
- Windows® CE 5.0 Professional
- Windows® CE .NET 4.2

Optional Software
- RFTerm® (TN5250, TN3270, VT220)
- AppLock® utility controls user application access & unwanted configuration changes
- API's for scanner, PCMCIA, serial, battery, power management, and version control
- SDK
- Personal JAVA 1.2 JVM
- Wavelink Avalanche™ and LXE eXpress Config compatible

Keyboard
- 52-key backlit keyboard
- Epoxy coated for resistance to abrasions
- 101 key support (IBM compatible)
- 3 emulation overlay options

Display
- 240 x 320 ¼ VGA TFT LCD
- (Indoor/Outdoor) Full sunlight readable
- Reflective active color, front lit
- Diagonal viewing area 3.8" (9.7mm) 0.24 dot pitch
- Resistive touch screen with stylus
- Optional display heater

Power Supply and Management
- 2800 mAh 7.4V Li-Ion battery pack with in-unit charging
- 8+ hour battery life (with typical usage)
- Backup battery
- Main battery low warning
- Active power management (configurable)

Interfaces
- RS-232 (COM 1, COM 4)
- USB Client
- USB Host
- IrDA
- Ethernet 10/100Mb

- Speaker, Audio Microphone
- Headset Jack
- Power
- Bluetooth (future)

Expansion
- (1) PCMCIA v.2.1 slot Type II
- (1) Compact flash slot Type II

Radio Card Support
- 2.4GHz 802.11b/g
- Optimized internal antenna
- WPA or WPA2 security
- Cisco® CCXv3 certified

Enclosure
- Size:
  10" x 3.9" x 2.1"
  (254mm x 100mm x 52mm)
- Weight:
  34oz (985g) including radio, battery, scanner and handle

Environmental
- Storage temperature range
  -22°F to 158°F (-30°C to 70°C)
- Operating temperature range
  -4°F to 122°F (-20°C to 50°C)
- Extended operation (with opt. heater)
  -22°F to 122°F (-30°C to 50°C)
- Humidity (operating)
  5% to 90% RH non-condensing at 104°F (40°C)
- Drop specification (multiple drops to concrete) 6ft.
- Dust and water protection enclosure rating exceeds IEC 60529 IP67
- Vibration testing
  Exceeds MIL STD 810F

Bar Code
- Integrated 1D bar code scanners:
  Fuzzy logic (SR)
  Long range scanner (LR)
  Integrated 2D (PDF-417) bar code scanner

Bar Code Symbology
- Code 39, Interleaved 2 of 5
- UPC-A, UPC-E, Code 128
- Plessey, EAN-8 and EAN-13, Code 93 and Codabar and others not listed

Approvals
- Emissions (EMI)
  FCC Part 15 Subpart B, Class B
  Industry Canada ICES-003 Class B
  EN 55022:1998, Class B
- Immunity (EMC)
  EN 55024:1998
- Safety
  CSA C22.2 No. 60950, EN 60950, IEC 60950
- Laser safety
  CDRH:21 CFR 1040.10 and 1040.11, EN60825-1 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 300 323, ETS 300 826, EN 60950
- RoHS compliant version available

Accessories
- 6 unit battery charger
- Handle with scanner trigger
- AC & DC adapters
- Nylon hand strap
- Stylus
- Nylon holster
- Nylon case with shoulder strap
- Tethered stylus for cases and holsters
- Vehicle charging & communicating cradle
- Vehicle cradle power supplies
- Standard desktop charging & communication cradle
- Enhanced desktop charging & communication cradle with spare battery charging slot and ethernet support
- Flash memory cards
- USB interface cable
- RS-232 interface cable
- Ethernet interface cable
- Heater battery belt
- Battery belt charger and cables