MX5 I-SAFE

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

Ultra-rugged magnesium housing, for use in extreme environments. Survives 6-foot drops to concrete.

IP67 full water and dust seal.

Can be equipped with an internal standard or long-range 1D and 2D bar code scanner for maximum flexibility. Optional trigger handle available.

Epoxy coated full alphanumeric keypad makes data entry a breeze.

802.11 radio support.

Class 1, Division 2, Group A, B, C, & D hazardous location approved.

LXE is_RUGGED RELIABLE MOBILE COMPUTERS.

Ultra-rugged industrial ergonomics

The MX5 I-SAFE is LXE's toughest Windows® based handheld computer, designed for extreme environments, and certified for non-incendive electrical equipment for use in Class 1, Division 2 hazardous locations. The MX5 I-SAFE boasts the industry's leading water seal rating, and can easily withstand multiple drops from six feet.

Highly reliable, industry-standard platform

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

MX5 I-SAFE

Technical Specifications

Processing & Memory

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

Operating Systems & Emulations

- 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

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 sun light readable
- Reflective active color, front lit
- Diagonal viewing area 3.8" (9.7mm) 0.24 dot pitch
- Resistive touch screen with stylus

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 tested

Expansion

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

Radio Card Support

- 2.4GHz 802.11b
- Optimized internal antenna

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)
- 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)
  Advanced long range (ALR)
  Integrated 2D (PDF-417) bar code scanner

Approvals

- Class 1, Division 2, Group A, B, C &D
  CAN/CSA-C22.2 No. 213-m1987
  UL Std no1604
- 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

Accessories

- 6 unit battery charger (non I-SAFE)
- Handle with scanner trigger
- AC & DC adapters (non I-SAFE)
- Nylon hand strap
- Stylus
- Nylon holster
- Nylon case with shoulder strap
- Tethered stylus for cases and holsters
- Standard desktop charging & communication cradle (non I-Safe)
- Enhanced desktop charging & communication cradle with spare battery charging slot and ethernet support (non I-Safe)
- Flash memory cards
- USB interface cable
- RS-232 interface cable
- Ethernet interface cable