

## MX3-RFID

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(800) 643-2664



HANDHELD COMPUTERS

Enabled with both bar code and RFID scanning capabilities.

Fully protected EPC-compliant, class 0 (read only) and class 1 (write once, read many) tag reader.

Improve productivity with full-shift Li-Ion battery.

Polycarbonate/ABS alloy plastics - absorb impact vs. shattering on impact.



Large 6" high visibility display with touch screen for crystal-clear viewing.

Transitioning from bar code to RFID tag read mode is effortless - press the left scan button to scan bar codes and the right for RFID tags.

### Flexible, smart and rugged

Enabled with both bar code and RFID scanning capabilities, the MX3-RFID allows the flexibility to use one unit for both bar code and RFID data collection.

The MX3-RFID runs a Windows® CE .NET OS, and is LXE rugged. The tag reader and RFID antennas are fully protected in a low-profile enclosure in the rear of the unit - so there are no worries about damaging fragile external RFID antennas.

### Simple to operate

Easily control what's being read by the MX3-RFID with the unit's user controlled "read range" (RF power setting).

API's are available for simple application development. The MX3-RFID includes "keyboard wedge" software that places EPC data directly into the keyboard buffer so off-the-shelf applications can access the data without complex development.



MIDCOM Data Technologies, Inc. 800-643-2664 [www.midcomdata.com](http://www.midcomdata.com)

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# MX3-RFID

## Technical Specifications



### Processing & Memory

- Intel® XScale® PXA255 400MHz CPU
- 128MB SDRAM
- 128MB Flash with a min. 32MB user accessible

### Software

- Windows® CE .NET 4.2
- AppLock® utility controls user application access & unwanted configuration changes
- Barcode wedge, RF, power mgmt & diagnostic utilities
- API's for RFID reader, scanner, PCMCIA, serial, battery, power mgmt & version control
- SDK

### Additional Software

- RFTerm® Windows CE® Terminal Emulations (VT220, TN5250, TN3270) multisession, multi-host hot-key support, with programmable function keys

### Keyboard

- 63 Key QWERTY format with (2) large user mappable scan 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

### 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
- Backup battery with automatic charging
- Power jack for external power
- Fully configurable active power management

### Interfaces

- (1) USB client port (DA-9)
- Integrated bar code scanner
- Infrared (IR) communications port
- Beeper with adjustable volume control
- 2.5mm audio/microphone jack

### 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 radio
- Optimized internal integrated antenna

### Enclosure

- High impact polycarbonate/ABS plastic
- Size: 8 in. x 6 in. x 1.75 in. (203mm x 152mm x 44.5mm)
- Weight:
  - Color 38 oz. (1082g) including radio, battery, scanner & tag reader

### Environmental

- Operating temperature range
  - 14°F to 122°F (-10°C to 50°C)
- Storage temperature range
  - -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 IP65
- 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

### Integrated EPC Compliant Tag Reader

- Freq. range 902-928 MHz ISM Band
- EPC compliance: Class 0 & Class 1
- Output power 1000 milliwatts
- Antenna: Fully integrated patch antenna
- Firmware upgradeable to support future standards

### End Cap Option

- End cap with (1) USB port
- (1) USB Client port w/integrated bar code scanner

### Bar Code Symbolologies

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

### Accessories

- 5-unit battery charger
- AC & DC adapters
- Automotive power adapter
- Hand strap
- Nylon case with shoulder strap
- Passive mounting cradle
- Memory cards
- Compact flash memory & hard disk cards
- USB interface cable
- Tethered stylus
- Touch screen protective sheets



**Call to Request a Quote**  
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Specifications subject to change without notice