

MX3-RFID



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.

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

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



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.

LXE is RUGGED RELIABLE MOBILE COMPUTERS.

Flexible, smart and rugged

Enabled with both bar code and RFID scanning capabilities, the MX3-RFID gives you the flexibility to use (support and train on) one unit for both traditional bar code data collection applications & RFID applications.

The MX3-RFID runs the Windows® CE .NET operating system, and of course is LXE rugged. The tag reader and RFID antenna are fully protected in a very low-profile enclosure in the rear of the unit - so you won't have to worry 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 easier application development. And the MX3-RFID includes "keyboard wedge" software that places valid EPC data directly into the keyboard buffer so that any off-the-shelf application can access the data without complex development.



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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

