



- Uncompromised features and performance at an economical price
- User friendly graphical interface offers ease of configuration and installation
- Consistent RFID tag support with entire SmartLine MP2 family
- EPCglobal Gen 2 Certified Hardware
- Interoperable with widest array of Gen 2 tags
- 99.8% RFID encoding rates as reported by end users

## leadership by design

### RFID PRINTING TECHNOLOGY



The SL4M™ is the price-performance leader of the Printronix SmartLine™ series of RFID printers for industrial and commercial applications. This cost-effective UHF RFID smart label printer encoder is perfect for businesses seeking the most economical solution for developing an RFID enabled supply chain. Based on the Printronix reputation for reliability, durability, and dependability, the SL4M uses the same MP2 encoding technology and PSA3™ advanced electronic architecture found in the high performance SL5000r™ printer and SLPA8000r™ high speed printer applicator. It builds upon Printronix growing leadership and established RFID ecosystem to support manufacturers, retailers and government agencies seeking to improve their supply chain management with RFID technology.

A favorite among major retailers and consumer packaged goods companies, the SL4M's patented MP2 technology consistently provides encoding rates that exceed UHF RFID industry expectations. The EPCglobal Gen 2 Certified Hardware encoder insures that it works in a predictable and reliable manner for the best RFID enterprise solution. The SL4M stands ready for RFID global implementation with the widest breadth of Class 1 Gen 2 UHF tag support for a midrange printer. The SL4M MP2 encoding technology avoids confusion and eliminates cost, offering consistent tag support with the entire SmartLine family.



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### SL4M – CONTINUING THE PRINTRONIX HERITAGE

The SL4M delivers uncompromising Printronix leadership performance and quality in a cost-effective industrial and commercial design. The PSA3 architecture offers leading edge enterprise printing solutions and connectivity shared across the Printronix product portfolio. Starting with remote printer management and control, five different Printer Protocol Interpreters for seamless installation into other printer brand environments, and its heavy duty printer design, the SL4M delivers reliable performance for challenging applications and environments. The user friendly graphical interface offers a unique icon menu driven navigation system for easy configuration and installation. The SL4M rugged design, built in quality, and reliable performance make its Printronix heritage unmistakable.

**RFID**  
(((SMART)))™



**PRINTRONIX**  
GLOBAL PRINTING...ENABLED.



## SL4M RFID PRINTER

4" Thermal transfer or direct thermal, industrial and commercial grade

### MP2 Technology

The RFID SL4M printer includes Printronix industry leading MP2 RFID Smart encoding technology:

- Gen 2 hardware certified UHF RFID encoder
  - Configured to approved global frequency standards
  - Supports EPCglobal Class 1, Gen 2 standards
- Multi-position RF coupler, Advanced Printer Encoder Firmware

### STANDARD FEATURES

32MB DRAM  
 8MB Flash  
 Rugged Metal Construction  
 Printer Install Wizard  
 Large Graphic User Interface  
 Color Coded User Cues  
 Adjustable Transmissive Sensor  
 Reflective Sensor  
 Auto-Calibration  
 USB 2.0, Serial, Parallel, Ethernet  
 PrintNet™ 10/100 Base-T Ethernet  
 Embedded Printer Language Support (Printronix, Zebra, TEC, Sato, Intermec, Datamax)  
 Label Design Program  
 XML Enabled Printing  
 XML Based Remote Management via PXML  
 PrintNet Remote Management\*  
 MP2 RFID Smart Encoding Technology  
 Snap-in and Upgradeable Printheads  
 Media Counter  
 Ribbon Life Indicator

### OPTIONS

Memory Cartridge  
 DBCS Font Cartridge  
 Real Time Clock

### INTERFACES

**Standard:** RS232 Serial, IEEE 1284 (Centronics), USB 2.0, Ethernet

### USER INTERFACE

**Message Display:** User friendly interface offering a unique icon menu driven navigation system with up to 8 lines of displayed messages

### PRINTING SPECIFICATIONS

**Memory:** 32MB DRAM, 8MB FLASH  
**Print Speed:** 10 ips @ 203 dpi (254mm/sec @ 8/dpmm), 10 ips @ 305 dpi (254mm/sec @ 12/dpmm)  
**Printing Methods:** Thermal transfer or direct thermal  
**Resolution:** 203 dpi (8/dpmm), optional 305 dpi (12/dpmm)  
**Printable Width:** 4.1" max (104mm)

### RFID CAPABILITIES

**Operating Capabilities:** Encode with automatic verification and read with or without lock  
 Access Gen 2 memory spaces like TID, EPC, User and the Lock and Kill passwords  
**Error Handling Modes:** Overstrike – Overprint failed or "bad" RFID tag and applies the data to the next label  
 Stop – Pause after detecting a failed or "bad" tag for user intervention  
 None – ignores all errors  
**Statistics Tracking:** Track the total number of RFID labels processed and the number of failed (overstruck) tags

### MEDIA COMPATIBILITY

**Media Types:** Paper, film or synthetic thermal transfer or direct thermal label, tag and ticket stock in roll or fanfold form  
**Media Capacity:** Roll Supply – 8" diameter on a 3" core (203mm diameter on a 76mm core)  
**Media and Liner Width:** 1.0" to 5.15" (22mm to 127mm)  
**Label Length(min/max):** 0.25" to 99" (6mm to 2,514.6mm)  
**Thermal Transfer Ribbon:** Ribbon Width (min/max) – 1.55" to 5.0" (39.5mm to 127mm)  
**Maximum Ribbon Length:** 450M  
**Ribbon Core Diameter:** 1.0" (25.4 mm)  
**Ribbon Outer Diameter (max):** 3.3" (85mm)

### MEDIA SENSING METHODS

Transmissive (Gap, Notch, Hole), Reflective (Black Mark), Disable (Continuous Media)

### MEDIA HANDLING MODES

Tear-Off Strip, Peel-Off, Continuous

### PROGRAMMING LANGUAGES

**Standard:** Printronix Graphics Language (PGL)  
 Zebra Graphics Language (ZGL)‡  
 TEC Graphics Language (TGL)‡  
 Intermec Graphics Language (IGL)‡  
 SATO Graphics Language (STGL)‡  
 Datamax Graphics Language (DGL)‡  
 XML – Extensible Mark-up Language

### BAR CODE SYMBOLOGIES

Australian Post, Aztec, BC412, Code 128 (A,B,C), Code 35, Code 39, Code 93, Codabar (NW7), Datamatrix, EAN13 (JAN), EAN-8 (JAN), FIM, 125, German I-2/5, IFT14, ITF14, Matrix (2 of 5), Maxicode, MSI, PDF-417, Planet, Plessey, PostBar, Postnet, ROYAL BAR, RSS14, Telepen, UCC/EAN 128, UPC A, UPC E, UPC EO, UPC E1, UPC SHIP, UPS 11

### FONTS AND CHARACTER SET

**Fonts:** Monotype Imaging (Agfa Monotype) – Letter Gothic Bold, Courier Bold, CG Triumvirate Bold Condensed, OCR-A, OCR-B, CG Times, CG Triumvirate, CG Triumvirate Bold, (additional fonts available)  
**Character Set:** Unicode with TrueType font support

### GRAPHIC SUPPORT AND WINDOWS DRIVERS

**Graphic Support:** PCX and TIFF file formats  
**Windows Drivers:** Microsoft Windows 2000/XP/2003 server

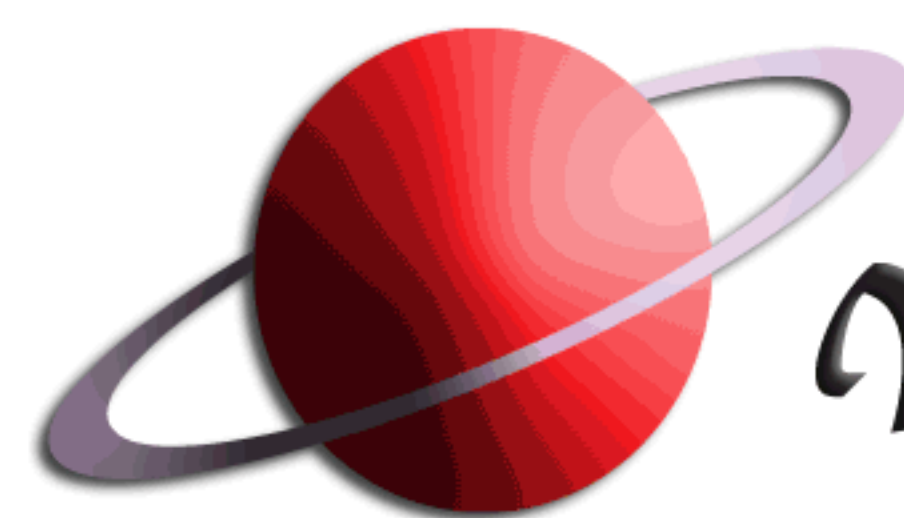
### ELECTRICAL REQUIREMENTS

**Power:** Auto ranging power supply 90-264 VAC (48-62Hz) PFC  
**Regulatory Compliance:** FCC Part 15 Subpart C Sections 15.207, 15.209, 15.247, Industry Canada RSS-210, ETSI EN 301 489-1, ETSI EN 301 489-3, ETSI EN 300 220-3, EN 61000-3-2, EN 61000-3-3, EN 60950, cMETus, CE, IDA, BSMI, CCC, C-Tick, GOST-R, MIC, Argentina "S" mark

### ENVIRONMENTAL FACTORS

**Operating Temperature:** 5°C to 40°C  
**Operating Humidity:** 0% to 90% non-condensing  
**Storage Temperature:** -5°C to +60°C (-23°F to +104 °F)  
**Storage Humidity:** 5% to 90% non-condensing  
**Dimensions:** 11.75" W x 18.75" D x 12.125" H (298mm W x 476mm D x 308mmH)  
**Printer Weight:** 34lbs (15.4Kg)  
**Shipping Weight:** 42lbs (19Kg)

\* Requires PrintNet 10/100 Base-T Ethernet  
 ‡ Printer Protocol Interpreters for ZPL, TEC, IPL, Sato and DPL with RFID commands for ZPL and Sato only



## Millennium Technologies

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www.millennium-tech.com

Printronix offers a wide selection of RFID label sizes, inlay designs, and thermal transfer ribbons. Contact your local Printronix supplies reseller for Genuine Printronix Ribbons and Labels, or contact Printronix at [www.primtronix.com](http://www.primtronix.com) or call 800-733-1900



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