- **High quality features and performance at an economical price**

- **User friendly graphical interface for easy configuration and installation**

- **EPCglobal Gen 2 Certified Hardware interoperable with unbeatable array of Gen 2 tags**

- **RFID tag support consistent with entire Printronix SmartLine MP2 family**

- **99.8% RFID encoding rates reported by end users**

RFiD (((SMART)))™

leadership by design

RFID PRINTING TECHNOLOGY

The SL4M™ is the price-performance leader of the Printronix SmartLine™ series of UHF RFID printers-encoders for industrial and commercial applications. This cost-effective smart label printer is designed for businesses seeking the most economical solution for developing an RFID enabled supply chain. It builds upon Printronix's reputation for reliability, durability, and RFID leadership to support companies seeking to improve their supply chain management with RFID technology.

Using the same patented MP2 encoding technology and PSA3™ advanced electronic architecture found in our high performance SL5000r™ printer and SLPA8000r™ high speed printer applicator, the SL4M consistently provides encoding rates that exceed industry expectations. Furthermore, the SL4M enables enterprise-level RFID implementation with the widest breadth of Class 1 Gen 2 UHF tag support from a midrange printer – and it is seamlessly compatible with the tag support of the entire Printronix SmartLine family.

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SL4M – CONTINUING THE PRINTRONIX HERITAGE

With its heavy-duty industrial design, the SL4M delivers reliable performance for challenging applications and environments, in a cost-effective solution. The SL4M's PSA3 architecture provides the same leading-edge enterprise printing solutions and connectivity as the rest of the Printronix product portfolio. With this architecture, the SL4M combines remote printer management and control with five different Printer Protocol Interpreters for seamless integration into mixed-brand printing environments. Moreover, the user-friendly graphical interface offers a unique icon menu driven navigation system for easy configuration and installation. The SL4M's rugged design, build quality, and reliable performance make its Printronix heritage unmistakable.

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
Colour 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
Ethernet, Wireless (802.11b/g)**

INTERFACES

Standard: RS232 Serial, IEEE 1284, Centronics, USB 2.0, Ethernet
Optional: Ethernet, Wireless (802.11b/g)**

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 RFID tag and applies the data to the next label (user programmable)
Stop – Pause after detecting a failed tag for user intervention
None – ignores all errors
Statistics Tracking: Track the total number of RFID labels processed and the number of failed (overprinted) 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" (25.4mm to 130mm)
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" (39.4mm to 127mm)
Maximum Ribbon Length: 450m
Ribbon Core Diameter: 1.0" (25.4mm)
Ribbon Max. Outer Diameter: 3.3" (83.8mm)

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 E0, 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
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 308mm H)
Printer Weight: 34lbs (15.4Kg)
Shipping Weight: 42lbs (19Kg)

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

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PRINTRONIX®
G L O B A L P R I N T I N G . . . E N A B L E D .