SMARTLINE SL4M

- 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

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 including remote printer management and control, five different Printer Protocol Interpreters for seamless installation into other printer brand environments. The user friendly graphical interface offers a unique icon menu driven navigation system for easy configuration and installation. It builds upon the Printronix leadership and established RFID ecosystem to support manufacturers, retailers and government agencies seeking to improve their supply chain management with RFID technology.

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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.

QUICK CHANGE MEMORY CARTRIDGE

Printronix now has an additional way to make your deployment a snap, the quick change memory cartridge (QCMC). The QCMC stores your printer's configuration, network settings and fonts. This memory cartridge allows you to easily install new printers and if a printer ever fails, allow easy change out by your operators. The T4M becomes the mid-range printer of choice for mission critical applications.

RFID SMART™

PRINTRONIX®

GLOBAL PRINTING...ENABLED.

SMARTLINE SL4M

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
Embedded Printer Language Support
(Printronix, Zebra, TEC, Sato, Intermec, Datamax, IER, Monarch)
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
Quick Change Memory Cartridge (QCMC)
DBCS Font Cartridge
Real Time Clock
Ethernet, Wireless (802.11b/g)**

INTERFACES

Standard: RS232 Serial, IEEE 1284 (Centronics), USB 2.0, Ethernet
Optional: Wireless (802.11b/g, 54mbps)**
128bit WEP
WPA-PSK / TKIP (Personal)
WPA2-PSK / AES CCMP (Personal/Enterprise)
PEAPv0 MSCHAPv2, LEAP, TTLS
(supports PrintNet Enterprise and PXML)

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)
IER Siège® Graphic Language (IEGL)
Monarch Graphic Language (MGL)
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, I-2/5, German I-2/5, IMB, 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 (-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 308mm H)
Printer Weight: 34lbs (15.4Kg)
Shipping Weight: 42lbs (19Kg)

* Requires PrintNet 10/100 Base-T Ethernet
** USA, Canada, & European Union only
† Includes RFID commands

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.printronix.com or call 800-733-1900

Designed for Microsoft® Windows® XP

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