

A Complete Smart Label Developer's Environment

RIGHT OUT OF THE BOX



The Smartline Developer's Kit is a cost effective set of tools, integrated with an RFID printer, providing a comprehensive printing solution for RFID smart labels. Once you start encoding and printing smart labels, you can test label read rates and label placement on various products in preparation for your pilot program. When you are ready to advance your RFID Pilot to the encoding of EPC labels, the Developer's Kit will grow with you. Its unique RFID Software Migration Tools allow you to effortlessly move from the printing of UPC or GTIN barcode labels to the encoding of smart labels. These tools include a suite of applications that convert standard universal product code (UPC) and global trade item number (GTIN) print streams into printer commands which encode the UPC or GTIN on the smart labels, in addition to printing the standard barcode label.



ADVANTAGES

- Integrated RFID UHF 915MHz multi-protocol encoder
- Smart Label encoding validation and overstrike capability
- PGL and ZPL™ programming languages with RFID command sets
- Unique dual-motor driven ribbon system eliminates clutch replacement and greatly reduces the risk of ribbon wrinkle for superior print quality
- Exclusive snap-in print head reduces service calls by allowing operator to easily change print heads and change from 203DPI to 300DPI printing without firmware or software changes.
- SLDK also includes Printronix PrintNet Enterprise software, a web-enabled remote network print management system allowing users to configure and efficiently manage an unlimited number of printers

Specifications

KIT CONTENTS

- SL5000^r MP Multi-protocol 4" Thermal Printer (203DPI or 300DPI)
- RFID 915MHz smart label reader/encoder
- 1,000 certified RFID smart labels
- One 625m premium wax thermal ribbon
- External PrintNet Ethernet card
- PrintNet Enterprise software CD
- Software Migration Tools (SMT™)

PRINTING CHARACTERISTICS

- Print Speed:
SL5204e: 10 IPS @ 203DPI (254mm/sec)
SL5304e: 8 IPS @ 300DPI (203mm/sec)
- Printing Methods: Thermal Transfer or Direct Thermal
- Resolution: 203/300 DPI (operator interchangeable)
- Printable Width: 4.1" max

LABEL & RIBBON CHARACTERISTICS

- RFID Inlay Labels:
Alien 'Squiggle' Class: 1 4" x 2", 4" x 4", 4" x 6", 4" x 8"
Alien 'M-tag' Class: 1 4" x 4", 4" x 6", 4" x 8"
Rafsec #313 'Psychedelic' Class: 1 3" x 3"
Matrics 'Dual Dipole' Class: 0, 0+ 3" x 3"
(via software upgrade)
- Ribbon:
625m length
4.33" width
Model 8500
premium wax formulation

RFID ENCODING MODES

- Integrated RFID reader and antenna assembly
- Supports Class 1, 0, 0+ tags
- Operation Modes: Write/Verify/Print – writes RFID data to tag and verifies contents are written correctly, while also printing the desired image
- Error Handling: Overstrike – when a bad RFID tag is detected, overstrikes label and applies the data with the next label
Stop – when a bad tag is detected, stops the printer to allow for user invention
- Statistics Tracking: Tracks number of tags written to and number of bad tags detected

RFID SOFTWARE MIGRATION TOOLS

- Migration tools allow RFID tags to be automatically programmed with data from the following bar code symbologies: GTIN carriers ITF-14 and UCC/EAN-128
EPC data within a Code 39
UPC-A, EAN-8, EAN-13
Some restrictions may apply. Contact a Printronix Certified RFID Integrator for details.

MEDIA HANDLING CHARACTERISTICS

- Tear-Off: Individual label tear-off
- Tear-Off Strip: Label strips tear-off
- Continuous: Labels print continuously

MEDIA COMPATIBILITY

- Media Types:
Roll or fanfold
Die cut or continuous
Labels, tags & tickets
Paper, film or synthetic stock
Thermal Transfer or Direct Thermal
- Media Width: 1.0" to 4.5"
(SL5204e/SL5304e)
- Media Thickness: 0.0025" to 0.010"
- Roll Core Diameter: 3.0" (7.6 cm)
- Maximum Roll Diameter: 8.0" (20.9 cm)
- Thermal Transfer Ribbon:
Ribbon Width Range: 1.0" to 4.33"
(T5204/T5304)
Ribbon Capacity: 625m

OPERATOR CONTROLS & INDICATORS

- Operator Controls: Off Line-On Line, Test Print, Job Select, Form Feed Menu, Cancel, Enter
- Message Display: 32 character
- Indicators: Off Line-On Line, Menu

PROGRAMMING LANGUAGE

- Standard:
PGL – Printronix Graphics Language
ZPL – Zebra Programming Language

BAR CODE SYMBOLOGIES AVAILABLE

- Code 39, Code 128 (A, B, C) Codabar, Interleaved 2 of 5, FIM UPC-A, UPC-E, UPC-E0, EAN 8, EAN 13, Code 93, Postnet, Postbar UCC/EAN 128, PDF 417, UPS Maxicode, Royal Mail, Datamatrix

SENSING METHODS

- Transmissive, Reflective (Gap, Mark, Notch, Continuous Sensing Form)

INTERFACES

- Standard:
Serial RS232
IEEE 1284 (Centronics)
- External: Ethernet (PrintNet)

FONTS, GRAPHICS SUPPORT, WINDOWS DRIVERS

- Fonts: OCRA, OCRB, Courier, Letter Gothic, CG Triumvirate Bold Condensed
- Graphic Support: PCX and TIFF file formats
- Windows Drivers: Windows 95/98/2000/XP

MEMORY

- DRAM: 8Mb standard
- Flash: 4Mb standard

POWER REQUIREMENTS

- Line Input: 90–264 VAC (48–62Hz), PFC
- Power Consumption: 150 watts (typical)
- Regulatory Compliance: FCC-B, UL, Energy Star mode (<45 watt)

ENVIRONMENTAL CONSIDERATIONS

- Operating Temperature: 5°C to 40°C
- Dimensions: 11.7" W x 20.5" L x 13.0" H (SL5204e/SL5304e)
- Printer/Shipping Weight: 42lbs/51lbs (SL5204e/SL5304e)

*Specifications are subject to change without notification.