



5r

MULTI-TECHNOLOGY PLATFORM
leadership by design

SCALABLE

Multiple embedded emulations allow users to standardize on a single printer for environments with mixed printer languages

INNOVATIVE

True Gen 2 RFID Smart™ encoding technology includes an official EPCglobal Gen 2 Certified Hardware module

BEST OF BREED

Aluminum die cast industrial design, ventless cooling, and high performance processor ideal for rugged environments

BUILT FOR CHANGE

Multi-protocol capability includes support for the latest Gen 2 standard as well as Class 0, 0+, 1 and Philips UCode 1.19

SMART

Intelligent tag management system identifies and overstrikes defective smart labels



INDUSTRY LEADING RFID PRINTING TECHNOLOGY

Based on the 5r Multi-Technology Platform and patented MP2 RFID Smart encoding technology, the SL5000r™ MP2 delivers true Gen 2 encoding designed to EPCglobal Gen 2 specifications. The MP2 is the leading encoding technology on the market today with EPCglobal Gen 2 Certified Hardware. This certification mark gives users peace of mind that the printer/encoder complies with EPCglobal standards and has been rigorously tested, assuring predictable results for RFID pilots and implementation. Through *leadership by design* the

SL5000r MP2 delivers the widest multi-protocol and label choices including support for EPCglobal Class 0, 0+, 1, Gen 2 and Philips UCode 1.19 plus industry leading performance and global frequency options.



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KEY FEATURES

- Patented multi-position RFID coupling device optimizes performance for a broad variety of tags
- Intelligent Media Detection prevents non-RFID print jobs from printing on RFID labels, avoiding unnecessary expense
- Advanced RFID calibration with tag profiling, custom tag configurator and auto inlay locator for easy configuration and versatile media throughput
- Embedded EPC privacy logo simplifies label design and system set-up
- Integrated EPCglobal certified multi-protocol UHF RFID encoder meets global frequency requirements
- Field-upgradeable XML forms printing with embedded industry standard forms and templates
- Printronix Extensible Markup Language (PXML) interface enables real-time printer and job control

ASSET PROTECTION

With the SL5000r MP2, Printronix continues to deliver RFID leadership for UHF RFID printing solutions with today's standards using tomorrow's technology. The 5r Multi-Technology Platform offers the foundation for standardization and upgradeability as EPCglobal standards continue to evolve. Ethernet connectivity and printing solutions leverage PrintNet® or PXML to achieve RFID supply chain potential. For global compliance, SL5000r MP2 can switch frequencies via regional kits.

PRINTRONIX®

GLOBAL PRINTING...ENABLED.

SL5000^r RFID PRINTERS

SL5000^r Multi-protocol UHF encoder set to global frequency standards
Supports EPCglobal Class 0, 0+, 1, Gen 2 and Philips UCode 1.19 standards

SMART LABEL DEVELOPER'S KIT

Kit Contents SL5000^r MP2 Multi-protocol 4" printer
RFID UHF reader/encoder
1000 certified RFID smart labels
One 625m premium wax ribbon
PrintNet Ethernet card
PrintNet Enterprise software CD
Software Migration Tools (SMT™)

MEMORY

DRAM 32MB standard
Flash 8MB standard (16MB optional)

PRINTING CHARACTERISTICS

Print Speed SL5204r-4": 10 IPS @ 203 dpi (254mm/sec)
SL5304r-4": 8 IPS @ 300 dpi (203mm/sec)
SL5206r-6": 10 IPS @ 203 dpi (254mm/sec)
SL5306r-6": 8 IPS @ 300 dpi (203mm/sec)
Printing Methods Thermal transfer or direct thermal
Resolution 203/300 dpi (operator interchangeable)
Printable Width 4.1" max (104mm) (SL5204r/SL5304r)
6.6" max (168mm) (SL5206r/SL5306r)

RFID ENCODING MODES

Operation Modes Write/Verify/Print – writes RFID data to tag and verifies contents are written correctly, while also printing the desired image
Error Handling Modes Overstrike – when a bad RFID tag is detected, overstrikes label and applies the data to the next label
Stop – when a bad tag is detected, stops the printer to allow for user intervention
Statistics Tracking Tracks number of tags written to and number of bad tags detected

MEDIA COMPATIBILITY

Media Types Roll or fanfold
Labels, tags and tickets
Paper, film or synthetic stock
Thermal Transfer or Direct Thermal
Media Width 1.0" to 4.5" (SL5204r/SL5304r)
2.0" to 6.8" (SL5206r/SL5306r)
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 (min/max) 1.0" to 4.33" (SL5204r/SL5304r)
2.0" to 6.8" (SL5206r/SL5306r)
Maximum Ribbon Length 625m

MEDIA HANDLING CHARACTERISTICS

Tear-Off Individual label tear-off
Tear-Off Strip Label strips tear-off
Continuous Labels print continuously
Cut Label cut to length
Peel-Off Label peel and present
(peel-off mode requires rewind option)

MEDIA HANDLING OPTIONS

Rewinder Required for peel and present. Not recommended for batch rewind of RFID labels
Cutter Kit Cuts labels after printing specified number of labels

OPERATOR CONTROLS & INDICATORS

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

BAR CODE VALIDATION

Optional Online Data Validation (ODV) - verifies bar code quality, overstrikes failed bar codes, and reprints a label
Compatible with RFID operation

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)*

*Printer Protocol Interpreters for ZPL, TEC, IPL, Sato and DPL with RFID commands for ZPL and Sato only

Optional XML – Extensible Mark-up Language

PROTOCOLS

Optional Telnet TN5250/TN3270

BAR CODE SYMBOLOGIES AVAILABLE

AUSTPORT, Aztec, BC35, BC412, CODABAR, Code 11, Code 35, Code 39, Code 93, Code 128 (A,B,C), DATAMATRIX, EAN8, EAN13, FIM, 125GERMAN, Interleaved 2/5, ITF14, Matrix, MAXICODE, MSI, PDF417, PLANET, PLESSEY, POSTNET, POSTBAR, ROYALBAR, RSS14, TELEPEN, UCC/EAN-128, UPC-A, UPC-E, UPC-EO, UPCSHIP, UPS11

SENSING METHODS

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

INTERFACES

Standard RS232 Serial
IEEE 1284 (Centronics)
USB 2.0
Optional Ethernet (supports PrintNet Enterprise or PXML)
Wireless (802.11b) (supports PrintNet Enterprise or PXML)
Coax/Twinax
GPIO (General Purpose Input/Output)

FONTS, GRAPHICS SUPPORT, WINDOWS DRIVERS

Fonts OCRA, OCRB, Courier, Letter Gothic, CG Triumvirate Bold Condensed
Unicode with TrueType font support
Character Set
Graphic Support PCX, BMP and TIFF file formats
Windows Drivers Microsoft Windows NT/2000/XP

POWER REQUIREMENTS

Line Input 90-264 VAC (48-62Hz) PFC
Power Consumption 150 watts (typical)
Regulatory Compliance FCC-B, UL, CSA, ETSI EN 300 220, CE

ENVIRONMENTAL CONSIDERATIONS

Operating Temperature 5°C to 40°C
Dimensions 11.7" W x 20.5" L x 13.0" H (SL5204r/SL5304r)
13.4" W x 20.5" L x 13.0" H (SL5206r/SL5306r)
Printer Weight/Shipping Weight 38lbs/47lbs (SL5204r/SL5304r)
41lbs/50lbs (SL5206r/SL5306r)

Printronix offers a wide selection of RFID label sizes and inlay designs as well as thermal transfer ribbons. To learn more about RFID labels and supplies or to place an order, visit www.rfid.primtronix.com or call 800-733-1900.



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