

RFID Printers for Every Application



**Stronger
Together**

Benefits of Our RFID Printers



High Speed Encoding

Optimized for standard label printing production speeds, the Printronix Auto ID RFID printers use an Encode During Print feature which avoids the back-up or advance to align the inlay with the printer antenna which is common with other brands of RFID printers. The result is higher encoding speeds.



Standard and On-Metal Tags

The T4000 and T6000e support both standard RFID labels and on-metal tags up to 1.2 mm thick. The above-label antenna ensures compatibility with foil-backed tags making these printers ideal for high value asset tracking applications such as with IT equipment, production tools, and high value inventory.



High Memory Encoding

All RFID printers support standard 96bit and 128bit EPC and USR memory, and some support "mid-memory" sizes up to 496bits. However, Printronix Auto ID printers also support "high memory" tags up to 8 kbits enabling support for more advanced applications in aviation and factory maintenance where data records are stored on the tag itself.



RFID Auto-Calibration

Similar in concept to label gap sensor calibration, Printronix Auto ID printers can also easily calibrate RFID labels to ensure your printer is setup for optimal encoding. Working in harmony with the high speed encoding, you are assured your printer is setup for maximum RFID label throughput.



Tag and Inlay Validation Lab

Our RFID Tag and Inlay Validation Lab continuously tests emerging RFID inlays and on-metal tags to ensure they operate in our RFID printers. We support an ever-increasing range of products giving you confidence that our printer will work in your application. Check our [RFID Solutions webpage](#) for the latest test results.



And Much More...

Printronix Auto ID RFID printers have a wealth of rich features

- Multiple competitor languages
- On the T4000 and T6000e, full overstrike of labels with bad inlays
- Yield statistics tracking
- RFID upgrade kits to convert existing non-RFID printers

T6000e
RFID Journal's
Top 10 Products
of 2020



T6000e Enterprise-Level Industrial Printer

The T6000e RFID printer is designed for high-volume RFID label applications of up to 10,000 labels per day. The printer includes an internal and external antenna giving it the flexibility to support a wide range of RFID applications including on-metal and standard RFID labels. This versatile series is available in 4" and 6" print widths with 203/300/600 dpi print resolution and includes a full suite of communication options.

RFID System	Encoding – RAIN / UHF Standard – GS1 EPC Gen2 v2 / ISO 18000-63 Antenna – Internal adjustable & external fixed Printer Languages – PGL, ZGL, STGL, MGL
RFID Labels	Label / Tags – Standard / On-Metal Label Pitch – Down to 0.625 in (16 mm) RFID Label Calibration – Automatic
Chip (IC) / Inlays	Chips – Includes Alien, Impinj, NXP, Tego, EM Micro Inlays – Too many to list Check the Printronix Auto ID website for the latest list of supported chips and inlays
RFID Data Validation	Encoding Failures – Full / Partial Label Overstrike (Depends on label length) RFID Label Counter – Tracks good/bad labels
Print Resolution	203dpi, 300dpi, 600dpi
Max Print Speed	4" 14ips@203dpi, 12ips@300dpi, 6ips@600dpi 6" 12ips@203dpi, 10ips@300dpi
Max Print Width	4.1 in, 6.55 in
Media Handling	Cutter, Peel/Rewind*, Batch/Rewind*
Interfaces	Standard – Ethernet, USB Host/Device, Serial Optional – 802.11 a/b/g/n/ac, Parallel, GPIO



T4000 Mid-Level Industrial Printer

The T4000 provides excellent flexibility, supporting both standard labels and tags, as well as 'on-metal' tags (that can operate on metal surfaces). It is designed to support mid-volume applications of up to 5,000 labels per day. With a smaller footprint and metal enclosure, it can operate in tight spaces yet still provide the durability needed for enterprise applications.

RFID System	Encoding – RAIN / UHF Standard – GS1 EPC Gen2 v2 / ISO 18000-63 Antenna – External fixed Printer Languages – PGL, ZGL, STGL, MGL
RFID Labels	Label / Tags – Standard / On-Metal Label Pitch – Down to 0.625 in (16 mm) RFID Label Calibration – Automatic
Chip (IC) / Inlays	Chips – Includes Alien, Impinj, NXP, Tego, EM Micro Inlays – Too many to list Check the Printronix Auto ID website for the latest list of supported chips and inlays
RFID Data Validation	Encoding Failures – Full / Partial Label Overstrike (Depends on label length) RFID Label Counter – Tracks good/bad labels
Print Resolution	203dpi, 300dpi
Max Print Speed	10ips@203dpi / 7ips@300dpi
Max Print Width	4.1 in
Media Handling	Cutter, Peel/Rewind
Interfaces	Standard – Ethernet, USB Host/Device, Serial Optional – 802.11 a/b/g/n/ac, Bluetooth 4.2



T800 Enterprise-Level Desktop Printer

Designed for lower volume applications of up to 2,500 labels per day, the T800 provides a cost-effective solution for encoding and printing of RFID labels. It has an adjustable, multi-position, center-justified antenna enabling it to work with a wide range of label constructions.

RFID System	Encoding – RAIN / UHF Standard – GS1 EPC Gen2 v2 / ISO 18000-63 Antenna – Internal adjustable Printer Languages – PGL, ZGL, STGL, MGL
RFID Labels	Label / Tags – Standard Label Pitch – Down to 0.625 in (16 mm) RFID Label Calibration – Automatic
Chip (IC) / Inlays	Chips – Includes Alien, Impinj, NXP, Tego, EM Micro Inlays – Too many to list Check the Printronix Auto ID website for the latest list of supported chips and inlays
RFID Data Validation	Encoding Failures – Full / Partial Label Overstrike (Depends on label length) RFID Label Counter – Tracks good/bad labels
Print Resolution	203dpi, 300dpi
Max Print Speed	8ips@203dpi / 6ips@300dpi
Max Print Width	4.1 in
Media Handling	Peeler
Interfaces	Standard – Ethernet, USB Host/Device, Serial Optional – 802.11 a/b/g/n/ac, Bluetooth 4.2

*Four-inch, internal antenna only



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