

Lowry Labeling's Smart Trac™ Labels

Now with Inlays from Texas Instruments

Smart labels with Generation 2 inlays are the newest and most advanced of the RFID specifications for the ultra-high frequency (UHF) band centered around 900MHz.

Lowry's Smart Trac labels with Gen 2 tag inlays from Texas Instruments (TI) are ideal for RFID supply chain labeling applications. Smart Trac labels are manufactured using Lowry's state-of-the-art UHF transponder processing and finishing system. The system laminates UHF Gen 2 inlays with quality paper stock to create verifiable RFID labels in various sizes and formats.

TI's Tag-it™ UHF Gen 2 inlay is designed to enable ease of integration in the smart label conversion and handling process, and ease of scalability in high volume conversion and end user application environments. The inlays have ESD (electrostatic discharge) as a built-in protection during the smart label conversion and handling process.

Smart Trac labels with Gen 2 inlays come with the assurance that they meet the recently ratified EPCglobal Inc.™ Gen 2 specification.

Significant features of the new Gen 2 standard include:

Global operations — Products built to the new standard are expected to work with each other in any area of the world. The UHF Gen 2 standard uses frequency and power in a way that complies with the major regional regulatory environments.

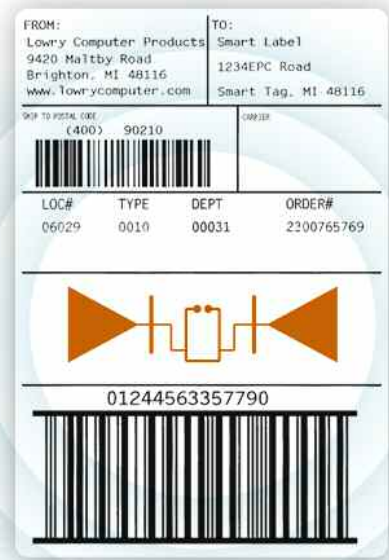
Increased security — To better protect data stored on the tags and corresponding databases, products built to the UHF Gen 2 standard will feature, among other improvements, advanced encryption technology, password protection and authentication.

Designed for real-world performance — To provide tag read and write speeds for real supply chain operations, as well as the ability to work in dense reader environments (distribution centers, warehouses, etc.).

Sessions feature — More robust performance of multiple readers in close proximity.

Key Features

- Global Standards
- Faster and more flexible read and write speeds
- Higher reliability in tag counting
- More robust performance of many readers in close proximity
- Enhanced security
- Gen 2 product certification available from EPCglobal



EPC Global Standards



EPCglobal is the organization entrusted by the industry to establish and support the EPCglobal Network™ as the global standard for real-time, automatic identification of information in the supply chain of any company, anywhere in the world.

As an EPCglobal Founding Solution Provider, Lowry has access to training and education for implementation of the Electronic Product Code™ (EPC), a globally unique serial number that identifies an item in the supply chain. Lowry also has access to information regarding EPCglobal certification and compliance testing, and access to the assignment and maintenance of EPC Manager numbers.

Gen 2 Smart Trac Labels

Lowry offers Smart Trac labels that meet EPCglobal UHF Gen 2 protocol and are designed for supply chain case and pallet labeling applications. The UHF Gen 2 standard, approved by a consensus of the world's leading technology companies, is a base platform for building products which meet compliance standards throughout the EPC Network.

Smart Trac labels are tested and verified for printing and encoding with the most current RFID printers on the market today. Smart Trac labels are produced with an all temperature, acrylic adhesive. Lowry edits and replaces quiet labels, resulting in 100% tested active labels that ship from our manufacturing facility.

RFID Part Numbers for TI Gen 2 RFID Labels

Desktop Printers

RFID Label Configuration	Zebra	Printronix	Sato	Datamax	Avery	Labels Per Roll
4 x 2 Paper Label	R110xi 305-00043	SL5000r 305-00053	CL408e 305-00054	I-Class 305-00052	AP 5.4 305-00056	1000
4 x 6 Paper Label	305-00041	305-00046	305-00055	305-00051	305-00057	500

Print & Apply

RFID Label Configuration	Zebra R110PAX4 Print Engine	Printronix SLPA7000e	Sato M8485Se Print Engine	Datamax A-Class Print Engine	Avery ALX 92x	Labels Per Roll
4 x 2 Paper Label	305-00058	305-00060	305-00062	305-00064	305-00066	3360
4 x 6 Paper Label	305-00059	305-00061	305-00063	305-00065	305-00067	1170

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