RFID Forecasts, Players and Opportunities 2016-2026

Description: This industry has tracked the RFID market since 1999. This report provides detailed data and analysis built on years of extensive research including interviews with RFID adopters and solution providers in the various applicational RFID markets, giving an unprecedented level of insight into the total RFID industry and what is really happening. Predominately, our research is conducted with interviews with companies across the supply chain, many of whom we have sign non disclosure agreements with and allowed access to data which we aggregate to provide the totals.

This industry finds that in 2015, the total RFID market is worth $10.1 billion, up from $9.5 billion in 2014 and $8.8 billion in 2013. This includes tags, readers and software/services for RFID cards, labels, fobs and all other form factors, for both passive and active RFID. This industry forecast that to rise to $13.2 billion in 2020.

In retail, RFID continues to be adopted for apparel tagging - that application alone will demand 4.6 billion RFID labels in 2016 - which still has some way to go with RFID penetrating about 15% of the total addressable market for apparel in 2016. RFID in the form of tickets used for transit will demand 800 million tags in 2016. The tagging of animals (such as pigs, sheep and pets) is substantial as it continues to be a legal requirement in many more territories, with 420 million tags being used for this sector in 2016. In total, it expects that 8.9 billion tags will be sold in 2015 and 10.4 billion in 2016. Most of that growth is from passive UHF RFID (RAIN RFID) labels. However, in 2015 UHF (RAIN RFID) tag sales by value will only be 11% of the value of HF tag sales, mainly because HF tags where used for security (such as payments, access etc) have a higher price point versus the cheaper, usually disposable UHF (RAIN RFID) tags used for tagging things.

This comprehensive report from IDTechEx gives the complete picture covering passive RFID, battery assisted passive, active RFID, Real Time Locating Systems (RTLS) and chipless RFID. It provides detailed forecasts and depth unmatched by any other.

Market analysis by a huge number of parameters

Using new, unique information researched globally by technical experts, we analyze the RFID market in many different ways. Full analysis by each market is given in great detail including in-depth historic data by application type from 2005 year by year to 2021 and with a 2026 outlook. For passive RFID, forecasts are provided separately for the following application areas. For each we provide the number of tags, average sales price and total value of tags.

Passive UHF market data segment 10 year forecast:
- Retail apparel and footwear
- Retail-other
- Logistics, conveyances, roll cages
- Asset management/inventory
- Medical/health care
- Air baggage and cargo
- Access control/ticketing
- Embedded
- People
- Other

10 year forecast Passive HF RFID market data segments:
- Contactless cards/fobs
- Smart tickets
- Books
- Medical
- Assets/tools
- Passports
- People
- NFC applications
Passive LF market data segments - 10 year forecast:
- Livestock and pets
- Access control
- Vehicle immobilizers
- Medical
- People
- Other

In addition, ten year forecasts are provided for battery assisted passive and active RFID and RTLS in the following applications:
- Pharma/Healthcare
- Cold retail supply chain
- Consumer goods
- Postal
- Manufacturing parts, tools
- Archiving (samples)
- Military
- Retail CPG Pallet/case
- Shelf edge labels
- Conveyances/Rollcages/ULD/Totes
- Vehicles
- People (excluding other sectors)
- Car clickers
- Other tag applications

Additionally, the report provides units, asp and total value for RFID readers as follows:
- UHF Fixed portal
- UHF Embedded and handheld
- HF and LF Hand held, fixed, embedded
- LF Vehicle
- NFC Cellphone

The research conducted ultimately provides ten year forecasts by application area including tags, readers, software and services for the following markets:
- Retail
- Healthcare and medical
- Passenger transport/automotive
- Land, sea logistics and post
- Animals and farming
- Airlines and airports
- Financial, security
- Manufacturing
- Leisure/sports
- Consumer products
- Other

Data is also provided for other sectors including market by territory, value chain positioning, NFC, chip vs chipless and more. Cumulative sales of RFID are analyzed. Progress of key companies is provided in addition to a matrix of hundreds of suppliers.

Interpretation of data

Taking the core data, this industry interprets it in this report to identify aspects such as: Which sectors are booming and which are under performing? Which suppliers and profitable and why? What are the hot sectors? And much more.

For example, after extensive interviews with suppliers, this industry find that there are now emerging or established leaders in most positions of the value chain across the different technologies - yet still very few companies have sales of more than $100 million. There are still many opportunities, which are assessed in this report.
Highly profitable

Major players now and in the future in the various parts of the value chain are identified and the big orders and milestones now and in the future are analyzed. Those doing well in numbers sold are sometimes much less impressive in dollars taken and vice versa. Of course, not everyone will want to serve the severely price constrained, highest volume markets. For them, we examine many niches of at least one billion dollars potential that are emerging and many smaller opportunities where there is even less competition.

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