

UHF and NFC RFID Tags Market: Projected to Surge from \$6.72 Billion in 2022 to \$24.33 Billion by 2031 | Astute Analytica

CHICAGO, UNITED STATES, February 5, 2024

/EINPresswire.com/ -- Astute Analytica has recently published a comprehensive report on the Global [Medical Device Market](#) [2024-2030](#). The report delves deep into the current and future market landscape, providing valuable insights into market size, share, and competitor segmentation. It also offers an overview of manufacturers, regions, product categories, and application areas. This extensive research aims to equip clients with the knowledge they need to understand and leverage market trends for their businesses.



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The UHF and NFC RFID tags market is rapidly evolving and plays a vital role in shaping communication, information access, and business operations. The industry's growth is driven by the increasing use of technology in daily life and the growing demand for efficient and accessible communication and information systems.

Mobile Internet adoption has become a key metric for evaluating the performance of the UHF and NFC RFID tags industry globally. It is projected that by 2025, mobile Internet penetration will reach 61%, with approximately 5 billion people worldwide being mobile Internet users.

The rise of big data, edge computing, cloud computing, and the Internet of Things (IoT) has made data one of the most valuable resources in the modern world. Many companies across various

industries have a significant need for handling large amounts of data on a global scale, and efficient and reliable data handling has become essential. In addition, this report provides reliable infrastructural solutions, world-class cybersecurity services, and engineering expertise to help customers navigate the dynamic and fast-paced ICT environment while optimizing and supporting their operations for the future.

Generative AI is a new trend that has shown potential for transformative business impact. It is estimated that generative AI could add up to US\$ 5.4 trillion in economic value through specific use cases and productivity-enhancing applications. By 2024, more than 50% of user interactions are expected to be augmented by AI-driven speech, written word, or computer-vision algorithms. Additionally, global data creation is projected to exceed 180 zettabytes by 2025, highlighting the increasing importance of data in the UHF and NFC RFID tags landscape.

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The Asia-Pacific region is poised to experience significant growth in the adoption of high-performance computing (HPC). HPC technology is being utilized in this region to process large amounts of data and perform complex computations, analytics, simulations, and artificial intelligence (AI) tasks at accelerated speeds.

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However, the initial investment required for acquiring and leasing hardware and software has proven to be costly for many businesses. As a result, the concept of HPC as a service has emerged, allowing businesses to subscribe to HPC resources through a pay-as-you-go consumption model.

This approach has gained popularity across various industries, enabling applications such as computer-aided design and engineering, autonomous driving, production optimization, predictive maintenance, drug discovery, precision medicine, fraud and anomaly detection, treasury and trading analytics, IoT/smart cities, and more.

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In the competitive landscape of the UHF and NFC RFID tags market, information technology, and communications are considered crucial topics in the digital era. The market is highly competitive, with numerous significant players. These companies employ various growth strategies such as product launches, research and development investments, partnerships, and acquisitions to sustain the intense competition.

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NXP Semiconductors
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Identiv Inc.
Infineon Technologies
RFID4U IT

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By Tag Type

UHF RFID Tags

NFC RFID Tags

Type 1

Type 2

Type 3

Type 4

Others

By Category

Passive (Battery Less)

Active (with Battery)

Battery Assisted Passive

By Sensor Type

UHF RFID

Humidity/Moisture Sensor

Pressure Sensor

Light Sensor

Temperature Sensor

Motion Sensor

Other Sensors

NFC RFID

Humidity/Moisture Sensor

Pressure Sensor

Light Sensor

Temperature Sensor

Motion Sensor

Other Sensors

By Frequency Range

3 to 30 MHz
300 MHz to 1 GHz
1 MHz to 3 GHz
By Application

Retail Inventory Management
Pharmaceutical Anti-Counterfeiting
Wireless Device Configuration
Airport Baggage Handling
Smart Manufacturing
Ticketing
Medical Wearables
Other Applications
By End User

Retail & E-commerce
Supermarkets
E-commerce
Others
BFSI
Manufacturing
Healthcare
Automotive
Construction
Agriculture
Transportation & Logistics
Education
Government & Defense
Others
By Region

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