

Global Multi-protocol RFID Module Market Growth 2026-2032

<https://marketpublishers.com/r/G47F1F173A23EN.html>

Date: July 2026

Pages: 120

Price: US\$ 3,660.00 (Single User License)

ID: G47F1F173A23EN

Abstracts

The global Multi-protocol RFID Module market size is predicted to grow from US\$ 1123 million in 2025 to US\$ 2462 million in 2032; it is expected to grow at a CAGR of 11.9% from 2026 to 2032.

A Multi-protocol RFID Module is an electronic component that can read and/or write RFID tags operating under multiple communication protocols (such as ISO 14443, ISO 15693, EPC Gen2/UHF, etc.). It enables devices to support different RFID standards within a single hardware module, improving compatibility, flexibility, and system integration in applications like access control, logistics, asset tracking, and industrial automation. In 2025, global Multi-protocol RFID Module production reached approximately 30.21 M units, with an average global market price of around US\$38 per unit. Annual production capacity is 34.10 M units. Gross Profit Margin: 42%. The industry chain of multi-protocol RFID modules is structured across three main layers: upstream chip and semiconductor suppliers, midstream module and reader manufacturers, and downstream system integrators and application industries. Upstream players such as RFID IC and SoC providers supply core chips and RF components, while antenna and PCB manufacturers ensure signal performance and integration stability. Midstream module manufacturers design and assemble multi-protocol RFID modules by integrating chipsets, antennas, and firmware, enabling compatibility across HF, UHF, and LF standards. Downstream demand is driven by logistics, retail, industrial automation, and smart infrastructure, where multi-protocol capability is increasingly required to unify fragmented RFID ecosystems. Multi-protocol RFID modules represent a transition from single-standard identification systems toward unified IoT connectivity infrastructure. The key value is not only in identification accuracy, but in interoperability across legacy systems and next-generation IoT platforms. As industries push toward automation and digital twins, demand is shifting toward higher integration, lower latency, and multi-

standard compatibility, which positions multi-protocol modules as a strategic enabling component rather than a simple hardware device.

United States market for Multi-protocol RFID Module is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Multi-protocol RFID Module is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Multi-protocol RFID Module is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Multi-protocol RFID Module players cover Nxp Semiconductors, Zebra Technologies, Avery Dennison, Honeywell International, Impinj, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Multi-protocol RFID Module Industry Forecast" looks at past sales and reviews total world Multi-protocol RFID Module sales in 2025, providing a comprehensive analysis by region and market sector of projected Multi-protocol RFID Module sales for 2026 through 2032. With Multi-protocol RFID Module sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Multi-protocol RFID Module industry.

This Insight Report provides a comprehensive analysis of the global Multi-protocol RFID Module landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Multi-protocol RFID Module portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Multi-protocol RFID Module market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Multi-protocol RFID Module and breaks down the forecast by Frequency Band, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Multi-protocol RFID Module.

This report presents a comprehensive overview, market shares, and growth opportunities of Multi-protocol RFID Module market by product type, application, key manufacturers and key regions and countries.

Segmentation by Frequency Band:

Low Frequency (LF) Modules?125?134 kHz?

High Frequency (HF) Modules?13.56 MHz?

Ultra High Frequency (UHF) Modules?860?960 MHz?

Segmentation by Protocol Compatibility:

Single-Protocol Modules

Dual-Protocol Modules

Multi-Protocol Modules

Segmentation by Interface Type:

UART Interface Modules

USB Interface Modules

SPI Interface Modules

I2C Interface Modules

Ethernet / TCP-IP Modules

Segmentation by Application:

Retail & Commercial

Logistics & Supply Chain

Industrial & Manufacturing

Transportation & Mobility

Healthcare & Medical

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Nxp Semiconductors

Zebra Technologies

Avery Dennison

Honeywell International

Impinj

Hid Global

Stmicroelectronics

Alien Technology

Infineon Technologies

Ams Osram

Invengo Technology

Hangzhou Century Co.

Shanghai Quanray Electronics

Urovo Technology

Shenzhen Min De Electronics

Key Questions Addressed in this Report

What is the 10-year outlook for the global Multi-protocol RFID Module market?

What factors are driving Multi-protocol RFID Module market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Multi-protocol RFID Module market opportunities vary by end market size?

How does Multi-protocol RFID Module break out by Frequency Band, by Application?

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