

# Global RS-485 Interface IC Market Growth 2026-2032

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## Abstracts

The global RS-485 Interface IC market size is predicted to grow from US\$ 164 million in 2025 to US\$ 213 million in 2032; it is expected to grow at a CAGR of 3.8% from 2026 to 2032.

The RS-485 interface IC is a dedicated integrated circuit used to implement the RS-485 communication standard. Its function is to convert the internal logic signals of the device into differential signals suitable for long distances and interference resistance, thereby realizing multi-point communication.

The upstream raw materials for RS-485 interface ICs include monocrystalline silicon, silicon wafers, photoresist, etching solution, doping sources, plastic packaging, ceramic packaging, and lead frames. Midstream core components include differential driver/receiver circuit design, half-duplex/full-duplex logic, foundry wafer processing, packaging, and testing. Downstream applications mainly include industrial automation, power systems, automotive electronics, smart cities, and rail transportation.

In 2025, global RS-485 interface IC sales reached 305 million units, with a production capacity of approximately 510 million units, an average selling price of US\$0.55 per unit, and an average gross margin of 30%-40%.

United States market for RS-485 Interface IC 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 RS-485 Interface IC 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 RS-485 Interface IC is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key RS-485 Interface IC players cover Texas Instruments, Analog Devices, Renesas Electronics, STMicroelectronics, NXP Semiconductors, 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 'RS-485 Interface IC Industry Forecast' looks at past sales and reviews total world RS-485 Interface IC sales in 2025, providing a comprehensive analysis by region and market sector of projected RS-485 Interface IC sales for 2026 through 2032. With RS-485 Interface IC sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world RS-485 Interface IC industry.

This Insight Report provides a comprehensive analysis of the global RS-485 Interface IC 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 RS-485 Interface IC portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global RS-485 Interface IC market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for RS-485 Interface IC and breaks down the forecast by Type, 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 RS-485 Interface IC.

This report presents a comprehensive overview, market shares, and growth opportunities of RS-485 Interface IC market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Half-Duplex

Full-Duplex

Segmentation by Isolation Methods:

Non-Isolation Type

Isolation Type

Segmentation by Transmission Rate:

Low Speed

Medium Speed

High Speed

Segmentation by Application:

Industrial Automation

Power Energy

Building Systems

Transportation Systems

Instrumentation

Automotive Electronics

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.

Texas Instruments

Analog Devices

Renesas Electronics

STMicroelectronics

NXP Semiconductors

Microchip Technology

ON Semiconductor

Infineon Technologies

MaxLinear

Skyworks Solutions

NovaSense

3PEAK

2Pai

SG Micro

Asix

## **Key Questions Addressed in this Report**

What is the 10-year outlook for the global RS-485 Interface IC market?

What factors are driving RS-485 Interface IC market growth, globally and by region?

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

How do RS-485 Interface IC market opportunities vary by end market size?

How does RS-485 Interface IC break out by Type, by Application?

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