

Global RS-485 Interface IC Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global RS-485 Interface IC market size is expected to reach \$ 222 million by 2032, rising at a market growth of 3.6% CAGR during the forecast period (2026-2032).

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%.

This report studies the global RS-485 Interface IC production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for RS-485 Interface IC and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of RS-485 Interface IC that contribute

to its increasing demand across many markets.

Highlights and key features of the study

Global RS-485 Interface IC total production and demand, 2021-2032, (Million Units)

Global RS-485 Interface IC total production value, 2021-2032, (USD Million)

Global RS-485 Interface IC production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)

Global RS-485 Interface IC consumption by region & country, CAGR, 2021-2032 & (Million Units)

U.S. VS China: RS-485 Interface IC domestic production, consumption, key domestic manufacturers and share

Global RS-485 Interface IC production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)

Global RS-485 Interface IC production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

Global RS-485 Interface IC production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

This report profiles key players in the global RS-485 Interface IC market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Texas Instruments, Analog Devices, Renesas Electronics, STMicroelectronics, NXP Semiconductors, Microchip Technology, ON Semiconductor, Infineon Technologies, MaxLinear, Skyworks Solutions, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World RS-485 Interface IC market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global RS-485 Interface IC Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global RS-485 Interface IC Market, Segmentation by Type:

Half-Duplex

Full-Duplex

Global RS-485 Interface IC Market, Segmentation by Isolation Methods:

Non-Isolation Type

Isolation Type

Global RS-485 Interface IC Market, Segmentation by Transmission Rate:

Low Speed

Medium Speed

High Speed

Global RS-485 Interface IC Market, Segmentation by Application:

Industrial Automation

Power Energy

Building Systems

Transportation Systems

Instrumentation

Automotive Electronics

Companies Profiled:

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 Answered:

1. How big is the global RS-485 Interface IC market?
2. What is the demand of the global RS-485 Interface IC market?
3. What is the year over year growth of the global RS-485 Interface IC market?
4. What is the production and production value of the global RS-485 Interface IC market?
5. Who are the key producers in the global RS-485 Interface IC market?
6. What are the growth factors driving the market demand?

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