

Global Universal Asynchronous Receiver-Transmitter (UART) ICs Market Growth 2025-2031

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Abstracts

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The global Universal Asynchronous Receiver-Transmitter (UART) ICs market size is predicted to grow from US\$ million in 2025 to US\$ million in 2031; it is expected to grow at a CAGR of %from 2025 to 2031.

Universal Asynchronous Receiver-Transmitter (UART) ICs are integrated circuits that serve as the interface between a microcontroller (or other digital device) and various serial communication devices. They facilitate the transmission and reception of data in a serial format, typically through asynchronous communication protocols. UART ICs handle tasks such as converting parallel data from the microcontroller into serial data for transmission, and vice versa. They often include features like baud rate generation, data framing, and error detection. UART ICs are widely used in applications where reliable, asynchronous serial communication is required, such as in computer peripherals, IoT devices, and industrial automation systems.

The industry trend for UART ICs is focused on higher data transfer rates, increased integration, and improved power efficiency. As the demand for faster and more efficient data communication continues to rise, there is a trend towards UART ICs capable of supporting higher baud rates. This enables faster and more reliable data transmission. Additionally, there is an emphasis on integrating additional features such as FIFO (First-In-First-Out) buffers, flow control mechanisms, and error checking capabilities into UART ICs. This integration simplifies system design, reduces component count, and enhances overall performance. Furthermore, there is a growing need for UART ICs that consume minimal power, aligning with the increasing emphasis on energy-efficient designs in various industries.

LP Information, Inc. (LPI) ' newest research report, the “Universal Asynchronous Receiver-Transmitter (UART) ICs Industry Forecast” looks at past sales and reviews total world Universal Asynchronous Receiver-Transmitter (UART) ICs sales in 2024, providing a comprehensive analysis by region and market sector of projected Universal Asynchronous Receiver-Transmitter (UART) ICs sales for 2025 through 2031. With Universal Asynchronous Receiver-Transmitter (UART) ICs sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Universal Asynchronous Receiver-Transmitter (UART) ICs industry.

This Insight Report provides a comprehensive analysis of the global Universal Asynchronous Receiver-Transmitter (UART) ICs 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 Universal Asynchronous Receiver-Transmitter (UART) ICs portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Universal Asynchronous Receiver-Transmitter (UART) ICs market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Universal Asynchronous Receiver-Transmitter (UART) ICs 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 Universal Asynchronous Receiver-Transmitter (UART) ICs.

This report presents a comprehensive overview, market shares, and growth opportunities of Universal Asynchronous Receiver-Transmitter (UART) ICs market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

UART

DUART

QUART

OCTART

Segmentation by Application:

Automotive

Military

Consumer Electronics

Communication

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

Diodes Incorporated

Renesas Electronics

Microchip Technology

MaxLinear

Intersil

Lantiq

Maxim Integrated

Texas Instruments

National Semiconductor

Rochester Electronics

Exar Corporation

Advanced Micro Devices

FTDI

Key Questions Addressed in this Report

What is the 10-year outlook for the global Universal Asynchronous Receiver-Transmitter (UART) ICs market?

What factors are driving Universal Asynchronous Receiver-Transmitter (UART) ICs market growth, globally and by region?

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

How do Universal Asynchronous Receiver-Transmitter (UART) ICs market opportunities vary by end market size?

How does Universal Asynchronous Receiver-Transmitter (UART) ICs break out by Type, by Application?

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