

Global Communication Driver IC Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Communication Driver IC market size was valued at US\$ 6288 million in 2025 and is forecast to a readjusted size of US\$ 10938 million by 2032 with a CAGR of 8.0% during review period.

A Communication Driver IC is an integrated circuit designed to facilitate the transmission and reception of data signals between electronic devices or systems. It provides the necessary voltage, current, and timing control to drive communication lines, such as serial buses, differential pairs, or network interfaces, ensuring reliable signal integrity and compatibility with communication standards. These ICs are widely used in data communication, networking equipment, industrial automation, and automotive electronics. In 2025, global Communication Driver IC production reached approximately 10.18 B units, with an average global market price of around US\$ 0.60 per unit. Annual production capacity is 11.50 B units. Gross Profit Margin: 30.12%. The communication driver IC industry chain spans from upstream semiconductor materials and wafer fabrication to midstream IC design and packaging, and finally to downstream applications in automotive, industrial automation, consumer electronics, and networking equipment. Upstream, silicon wafers, high-purity metals, and advanced packaging materials are critical for reliable IC performance. Midstream companies design, fabricate, and test discrete drivers, transceivers, and PHY chips. Downstream, these ICs are embedded into systems such as RS-485/CAN bus modules, USB bridges, and LVDS display interfaces, driving demand and shaping production volumes. Communication driver ICs represent a stable yet essential niche in the semiconductor ecosystem. While not as headline-grabbing as GPUs or SoCs, they are the invisible backbone of connectivity, ensuring data integrity across industrial and automotive networks. Investing or focusing on this segment offers consistent growth

potential, especially as IoT, EVs, and industrial automation continue to expand globally. Companies with strong IP and broad product portfolios in communication drivers are well-positioned to benefit from these trends.

This report is a detailed and comprehensive analysis for global Communication Driver IC market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Signal Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Communication Driver IC market size and forecasts, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Communication Driver IC market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Communication Driver IC market size and forecasts, by Signal Type and by Application, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Communication Driver IC market shares of main players, shipments in revenue (\$ Million), sales quantity (Million Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Communication Driver IC

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Communication Driver IC market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Texas Instruments, Infineon Technologies, ON Semiconductor, NXP Semiconductors, STMicroelectronics, Analog Devices, Renesas Electronics, ROHM Semiconductor, Microchip Technology, Samsung Electronics (System LSI), etc.

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

Market Segmentation

Communication Driver IC market is split by Signal Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Signal Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Signal Type

Single-ended Driver IC

Differential Driver IC

High-speed Driver IC

Market segment by Interface Standard

RS-232 Driver IC

RS-485/RS-422 Driver IC

CAN Driver IC

USB Driver IC

LVDS Driver IC

Ethernet Driver IC

Market segment by Package Type

DIP

SOP

QFN

BGA

Market segment by Application

Automotive

Industrial

Consumer Electronics

Networking & Data Center

Major players covered

Texas Instruments

Infineon Technologies

ON Semiconductor

NXP Semiconductors

STMicroelectronics

Analog Devices

Renesas Electronics

ROHM Semiconductor

Microchip Technology

Samsung Electronics (System LSI)

Power Integrations

Diodes Incorporated

Broadcom Inc.

Skyworks Solutions

Semtech Corporation

FTDI

Realtek Semiconductor

NOVOSENSE

UN Semiconductor

Xinjing

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Communication Driver IC product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Communication Driver IC, with price, sales quantity, revenue, and global market share of Communication Driver IC from 2021 to 2026.

Chapter 3, the Communication Driver IC competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Communication Driver IC breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Signal Type and by Application, with sales market share and growth rate by Signal Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Communication Driver IC market forecast, by regions, by Signal Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Communication Driver IC.

Chapter 14 and 15, to describe Communication Driver IC sales channel, distributors, customers, research findings and conclusion.

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