

Global GaAs Single Channel Analog Beamforming Chip Market Growth 2026-2032

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Abstracts

The global GaAs Single Channel Analog Beamforming Chip market size is predicted to grow from US\$ million in 2025 to US\$ million in 2032; it is expected to grow at a CAGR of % from 2026 to 2032.

The GaAs single-channel analog beamforming chip is a microwave and millimeter-wave integrated circuit manufactured using GaAs (gallium arsenide) technology. It can achieve analog control of the beam emitted by the antenna array, thereby changing the direction and shape of the beam. This kind of chip is mainly used in phased array radar and communication systems, which can improve the performance and flexibility of the system.

United States market for GaAs Single Channel Analog Beamforming Chip 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 GaAs Single Channel Analog Beamforming Chip 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 GaAs Single Channel Analog Beamforming Chip is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key GaAs Single Channel Analog Beamforming Chip players cover Analog Devices, Qorvo, Skyworks Solutions, MACOM, VASBEAM, 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 "GaAs Single Channel Analog Beamforming Chip Industry Forecast" looks at past sales and reviews total world GaAs Single Channel Analog Beamforming Chip sales in 2025, providing a comprehensive analysis by region and market sector of projected GaAs Single Channel Analog Beamforming Chip sales for 2026 through 2032. With GaAs Single Channel Analog Beamforming Chip sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world GaAs Single Channel Analog Beamforming Chip industry.

This Insight Report provides a comprehensive analysis of the global GaAs Single Channel Analog Beamforming Chip 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 GaAs Single Channel Analog Beamforming Chip portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global GaAs Single Channel Analog Beamforming Chip market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for GaAs Single Channel Analog Beamforming Chip 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 GaAs Single Channel Analog Beamforming Chip.

This report presents a comprehensive overview, market shares, and growth opportunities of GaAs Single Channel Analog Beamforming Chip market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Low Power Chip

Medium Power Chip

High Power Chip

Segmentation by Application:

- Optoelectronics Industry
- Communications Industry
- Military Industry
- 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.

Analog Devices

Qorvo

Skyworks Solutions

MACOM

VASBEAM

WIN Semiconductors

United Monolithic Semiconductors

TriQuint Semiconductor

Microsemi

Mimix Broadband

RFMD

Hittite Microwave

Gelpak

CTT

Key Questions Addressed in this Report

What is the 10-year outlook for the global GaAs Single Channel Analog Beamforming Chip market?

What factors are driving GaAs Single Channel Analog Beamforming Chip market growth, globally and by region?

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

How do GaAs Single Channel Analog Beamforming Chip market opportunities vary by end market size?

How does GaAs Single Channel Analog Beamforming Chip break out by Type, by Application?

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