

Global Low-power Single-core Digital Signal Processor Market Growth 2026-2032

<https://marketpublishers.com/r/GBFE667AE21AEN.html>

Date: August 2026

Pages: 123

Price: US\$ 3,660.00 (Single User License)

ID: GBFE667AE21AEN

Abstracts

The global Low-power Single-core Digital Signal Processor market size is predicted to grow from US\$ 508 million in 2025 to US\$ 610 million in 2032; it is expected to grow at a CAGR of 2.7% from 2026 to 2032.

Low-power single-core digital signal processor is digital signal processing technology, and DSP chip refers to a chip that can realize digital signal processing technology. The interior of the DSP chip adopts the Harvard structure that separates the program and data, has a special hardware multiplier, widely uses pipeline operations, and provides special DSP instructions, which can be used to quickly implement various digital signal processing algorithms.

United States market for Low-power Single-core Digital Signal Processor 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 Low-power Single-core Digital Signal Processor 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 Low-power Single-core Digital Signal Processor is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Low-power Single-core Digital Signal Processor players cover TI, ADI, Motorola, NXP Semiconductors, STMicroelectronics, 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 "Low-power Single-core Digital Signal Processor Industry Forecast" looks at past sales and reviews total world Low-power Single-core Digital Signal Processor sales in 2025, providing a comprehensive analysis by region and market sector of projected Low-power Single-core Digital Signal Processor sales for 2026 through 2032. With Low-power Single-core Digital Signal Processor sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Low-power Single-core Digital Signal Processor industry.

This Insight Report provides a comprehensive analysis of the global Low-power Single-core Digital Signal Processor 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 Low-power Single-core Digital Signal Processor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Low-power Single-core Digital Signal Processor market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Low-power Single-core Digital Signal Processor 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 Low-power Single-core Digital Signal Processor.

This report presents a comprehensive overview, market shares, and growth opportunities of Low-power Single-core Digital Signal Processor market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Conventional

Ultra-low Energy Consumption

Segmentation by Application:

Communication Field

Consumer Electronics

Automatic Control Field

Instrumentation Field

Military and Aerospace

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.

TI

ADI

Motorola

NXP Semiconductors

STMicroelectronics

Cirrus Logic

Qualcomm

Onsemi

DSP Group

Guorui Technology

Jiangsu Hongyun Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Low-power Single-core Digital Signal Processor market?

What factors are driving Low-power Single-core Digital Signal Processor market growth, globally and by region?

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

How do Low-power Single-core Digital Signal Processor market opportunities vary by end market size?

How does Low-power Single-core Digital Signal Processor break out by Type, by Application?

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