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Global Single Board Computers for Robotics Market Growth 2026-2032

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Abstracts

The global Single Board Computers for Robotics 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.

A single board computer (SBC) is a small computer that integrates all basic computer functions such as processor, memory, input and output interfaces on a circuit board. When used in robots, SBCs can control motors, sensors and other components, perform complex computing tasks, and communicate with other devices.

United States market for Single Board Computers for Robotics 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 Single Board Computers for Robotics 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 Single Board Computers for Robotics is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Single Board Computers for Robotics players cover Raspberry Pi, Google Coral, Rockchip, Dusun, BeagleBoard, 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 ?Single Board Computers for Robotics Industry Forecast? looks at past sales and reviews total world Single Board Computers for Robotics sales in 2025, providing a comprehensive analysis by region

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and market sector of projected Single Board Computers for Robotics sales for 2026 through 2032. With Single Board Computers for Robotics sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Single Board Computers for Robotics industry.

This Insight Report provides a comprehensive analysis of the global Single Board Computers for Robotics 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 Single Board Computers for Robotics portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms? unique position in an accelerating global Single Board Computers for Robotics market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Single Board Computers for Robotics 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 Single Board Computers for Robotics.

This report presents a comprehensive overview, market shares, and growth opportunities of Single Board Computers for Robotics market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

cCPI

VME

VPX

ATCA

Segmentation by Application:

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- Industrial Automation
- Smart Home
- Agriculture
- Education
- Medical
- Others

This report also splits the market by region:

- Americas
  - United States
  - Canada
  - Mexico
  - Brazil
- APAC
  - China
  - Japan
  - Korea
  - Southeast Asia
  - India
  - Australia

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- 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.

- Raspberry Pi
- Google Coral
- Rockchip
- Dusun
- BeagleBoard

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NVIDIA Jetson

ASUS

Seeed Studio

LattePanda

Khadas

Odroid

UDOO

Key Questions Addressed in this Report
What is the 10-year outlook for the global Single Board Computers for Robotics market?
What factors are driving Single Board Computers for Robotics market growth, globally and by region?
Which technologies are poised for the fastest growth by market and region?
How do Single Board Computers for Robotics market opportunities vary by end market size?
How does Single Board Computers for Robotics break out by Type, by Application?

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