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Global Automotive-Grade Autonomous Driving Computing Chips Market Growth 2024-2030

https://marketpublishers.com/r/GDBD2F9E1AFDEN.html
Date: July 2024
Pages: 116
Price: US$ 3,660.00 (Single User License)
ID: GDBD2F9E1AFDEN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

Automotive-Grade Autonomous Driving Computing Chips refer to high-performance computing chips designed specifically for autonomous driving systems that meet the strict standards and specifications of the automotive industry. These chips not only have powerful computing capabilities, but also have the characteristics of high reliability, high security and low power consumption to meet the needs of autonomous driving systems for complex tasks such as real-time data processing, environmental perception, decision-making and control.

The global Automotive-Grade Autonomous Driving Computing Chips market size is projected to grow from US$ 11830 million in 2024 to US$ 27910 million in 2030; it is expected to grow at a CAGR of 15.4% from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the “Automotive-Grade Autonomous Driving Computing Chips Industry Forecast” looks at past sales and reviews total world Automotive-Grade Autonomous Driving Computing Chips sales in 2023, providing a comprehensive analysis by region and market sector of projected Automotive-Grade Autonomous Driving Computing Chips sales for 2024 through 2030. With Automotive-Grade Autonomous Driving Computing Chips sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Automotive-Grade Autonomous Driving Computing Chips industry.

This Insight Report provides a comprehensive analysis of the global Automotive-Grade Autonomous Driving Computing Chips 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 Automotive-Grade Autonomous Driving Computing Chips portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Automotive-Grade Autonomous Driving Computing Chips market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive-Grade Autonomous Driving Computing Chips 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 Automotive-Grade Autonomous Driving Computing Chips.

United States market for Automotive-Grade Autonomous Driving Computing Chips is estimated to increase from US$ million in 2023 to US$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for Automotive-Grade Autonomous Driving Computing Chips is estimated to increase from US$ million in 2023 to US$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for Automotive-Grade Autonomous Driving Computing Chips is estimated to increase from US$ million in 2023 to US$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key Automotive-Grade Autonomous Driving Computing Chips players cover Nvidia, Huawei, Tesla, TI, Qualcomm, etc. In terms of revenue, the global two largest companies occupied for a share nearly

% in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive-Grade Autonomous Driving Computing Chips market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

100TOPS Below

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100-200TOPS

200TOPS Above

Segmentation by Application:

BEV

PHEV

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

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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.

Nvidia

Huawei

Tesla

TI

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Qualcomm

Mobiley (Intel)

AMD

Renesas

Beijing Horizon Information Technology

Desay SV Automotive

Black Sesame Intelligent Technology

Semidrive Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive-Grade Autonomous Driving Computing Chips market?

What factors are driving Automotive-Grade Autonomous Driving Computing Chips market growth, globally and by region?

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

How do Automotive-Grade Autonomous Driving Computing Chips market opportunities vary by end market size?

How does Automotive-Grade Autonomous Driving Computing Chips break out by Type, by Application?

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