

Global Automotive Ethernet Switch Chips Competitive Landscape Professional Research Report 2025

<https://marketpublishers.com/r/A63F2132C6F5EN.html>

Date: June 2025

Pages: 165

Price: US\$ 3,500.00 (Single User License)

ID: A63F2132C6F5EN

Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Automotive Ethernet Switch Chips market size will reach 1,969.91 Million USD in 2025 and is projected to reach 5,460.78 Million USD by 2032, with a CAGR of 15.68% (2025-2032). Notably, the China Automotive Ethernet Switch Chips market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

Automotive Ethernet switch chips are specialized integrated circuits designed to facilitate the networking and communication within automotive systems using Ethernet technology. These chips act as central components within in-vehicle networks, managing the routing of data between different electronic control units (ECUs), sensors, actuators, and other components in the vehicle. Unlike traditional Ethernet switches used in office or home networking, automotive Ethernet switch chips are specifically designed to meet the stringent requirements of automotive applications, including temperature range, reliability, and electromagnetic compatibility (EMC). They provide high-speed, low-latency data transmission, enabling efficient communication between various automotive systems while supporting features like Quality of Service (QoS), time-sensitive networking (TSN), and security protocols. Automotive Ethernet switch chips play a crucial role in the development of advanced driver assistance systems (ADAS), in-vehicle infotainment (IVI), autonomous driving, and other connected car technologies, ensuring reliable and high-performance networking within vehicles.

The major global manufacturers of Automotive Ethernet Switch Chips include Broadcom, Marvell, Microchip Technology, NXP Semiconductors, Realtek, Infineon Technologies, Toshiba, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Automotive Ethernet Switch Chips. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Automotive Ethernet Switch Chips market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Automotive Ethernet Switch Chips market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Automotive Ethernet Switch Chips industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Automotive Ethernet Switch Chips Include:

Broadcom

Marvell

Microchip Technology

NXP Semiconductors

Realtek

Infineon Technologies

Toshiba

Automotive Ethernet Switch Chips Product Segment Include:

Automotive Local Area Network (LAN)

Automotive Metropolitan Area Network (MAN)

Automotive Ethernet Switch Chips Product Application Include:

Passenger Vehicle

Commercial Vehicle

Chapter Scope

Chapter 1: Product Research Range, Product Types and Applications, Market Overview, Market Situation and Trends

Chapter 2: Global Automotive Ethernet Switch Chips Industry PESTEL Analysis

Chapter 3: Global Automotive Ethernet Switch Chips Industry Porter's Five Forces Analysis

Chapter 4: Global Automotive Ethernet Switch Chips Major Regional Market Size

(Revenue, Sales, Price) and Forecast Analysis

Chapter 5: Global Automotive Ethernet Switch Chips Market Size and Forecast by Type and Application Analysis

Chapter 6: North America Automotive Ethernet Switch Chips Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 7: Europe Automotive Ethernet Switch Chips Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 8: China Automotive Ethernet Switch Chips Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 9: APAC (Excl. China) Automotive Ethernet Switch Chips Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 10: Latin America Automotive Ethernet Switch Chips Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 11: Middle East and Africa Automotive Ethernet Switch Chips Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 12: Global Automotive Ethernet Switch Chips Competitive Analysis of Key Manufacturers (Sales, Revenue, Market Share, Price, Regional Distribution and Industry Concentration)

Chapter 13: Key Company Profiles (Product Portfolio, Sales, Revenue, Price and Gross Margin)

Chapter 14: Industrial Chain Analysis, Include Raw Material Suppliers, Distributors and Customers

Chapter 15: Research Findings and Conclusion

Chapter 16: Methodology and Data Sources

Contents

1 AUTOMOTIVE ETHERNET SWITCH CHIPS MARKET OVERVIEW

- 1.1 Product Definition and Statistical Scope
- 1.2 Automotive Ethernet Switch Chips Product by Type
 - 1.2.1 Automotive Local Area Network (LAN)
 - 1.2.2 Automotive Metropolitan Area Network (MAN)
- 1.3 Automotive Ethernet Switch Chips Product by Application
 - 1.3.1 Passenger Vehicle
 - 1.3.2 Commercial Vehicle
- 1.4 Global Automotive Ethernet Switch Chips Market Revenue and Sales Analysis
 - 1.4.1 Global Automotive Ethernet Switch Chips Revenue Market Size Analysis (2020-2032)
 - 1.4.2 Global Automotive Ethernet Switch Chips Sales Market Size Analysis (2020-2032)
 - 1.4.3 Global Automotive Ethernet Switch Chips Market Sales Price Trend Analysis (2020-2032)
- 1.5 Automotive Ethernet Switch Chips Industry Trends and Innovation
 - 1.5.1 Automotive Ethernet Switch Chips Industry Trends and Innovation
 - 1.5.2 Automotive Ethernet Switch Chips Market Drivers and Challenges

2 AUTOMOTIVE ETHERNET SWITCH CHIPS MARKET PESTEL ANALYSIS

- 2.1 Political Factors Analysis
- 2.2 Economic Factors Analysis
- 2.3 Social Factors Analysis
- 2.4 Technological Factors Analysis
- 2.5 Environmental Factors Analysis
- 2.6 Legal Factors Analysis

3 AUTOMOTIVE ETHERNET SWITCH CHIPS MARKET PORTER'S FIVE FORCES ANALYSIS

- 3.1 Competitive Rivalry
- 3.2 Threat of New Entrants
- 3.3 Bargaining Power of Suppliers
- 3.4 Bargaining Power of Buyers
- 3.5 Threat of Substitutes

4 GLOBAL AUTOMOTIVE ETHERNET SWITCH CHIPS MARKET ANALYSIS BY REGIONS

4.1 Global Automotive Ethernet Switch Chips Overall Market: 2024 VS 2025 VS 2032

4.2 Global Automotive Ethernet Switch Chips Revenue and Forecast Analysis (2020-2032)

4.2.1 Global Automotive Ethernet Switch Chips Revenue and Market Share by Region (2020-2025)

4.2.2 Global Automotive Ethernet Switch Chips Revenue and Market Share Forecast by Region (2026-2032)

4.3 Global Automotive Ethernet Switch Chips Sales and Forecast Analysis (2020-2032)

4.3.1 Global Automotive Ethernet Switch Chips Sales and Market Share by Region (2020-2025)

4.3.2 Global Automotive Ethernet Switch Chips Sales and Market Share Forecast by Region (2026-2032)

4.4 Global Automotive Ethernet Switch Chips Sales Price Trend Analysis (2020-2032)

5 GLOBAL AUTOMOTIVE ETHERNET SWITCH CHIPS MARKET SIZE BY TYPE AND APPLICATION

5.1 Global Automotive Ethernet Switch Chips Market Size by Type

5.1.1 Global Automotive Ethernet Switch Chips Revenue and Forecast Analysis by Type (2020-2032)

5.1.2 Global Automotive Ethernet Switch Chips Sales and Forecast Analysis by Type (2020-2032)

5.2 Global Automotive Ethernet Switch Chips Market Size by Application

5.2.1 Global Automotive Ethernet Switch Chips Revenue and Forecast Analysis by Application (2020-2032)

5.2.2 Global Automotive Ethernet Switch Chips Sales and Forecast Analysis by Application (2020-2032)

6 NORTH AMERICA

6.1 North America Automotive Ethernet Switch Chips Market Size and Growth Rate Analysis (2020-2032)

6.2 North America Key Manufacturers Analysis

6.3 North America Automotive Ethernet Switch Chips Market Size by Type

6.3.1 North America Automotive Ethernet Switch Chips Sales by Type (2020-2032)

- 6.3.2 North America Automotive Ethernet Switch Chips Revenue by Type (2020-2032)
- 6.4 North America Automotive Ethernet Switch Chips Market Size by Application
 - 6.4.1 North America Automotive Ethernet Switch Chips Sales by Application (2020-2032)
 - 6.4.2 North America Automotive Ethernet Switch Chips Revenue by Application (2020-2032)
- 6.5 North America Automotive Ethernet Switch Chips Market Size by Country
 - 6.5.1 US
 - 6.5.2 Canada

7 EUROPE

- 7.1 Europe Automotive Ethernet Switch Chips Market Size and Growth Rate Analysis (2020-2032)
- 7.2 Europe Key Manufacturers Analysis
- 7.3 Europe Automotive Ethernet Switch Chips Market Size by Type
 - 7.3.1 Europe Automotive Ethernet Switch Chips Sales by Type (2020-2032)
 - 7.3.2 Europe Automotive Ethernet Switch Chips Revenue by Type (2020-2032)
- 7.4 Europe Automotive Ethernet Switch Chips Market Size by Application
 - 7.4.1 Europe Automotive Ethernet Switch Chips Sales by Application (2020-2032)
 - 7.4.2 Europe Automotive Ethernet Switch Chips Revenue by Application (2020-2032)
- 7.5 Europe Automotive Ethernet Switch Chips Market Size by Country
 - 7.5.1 Germany
 - 7.5.2 France
 - 7.5.3 United Kingdom
 - 7.5.4 Italy
 - 7.5.5 Spain
 - 7.5.6 Benelux

8 CHINA

- 8.1 China Automotive Ethernet Switch Chips Market Size and Growth Rate Analysis (2020-2032)
- 8.2 China Key Manufacturers Analysis
- 8.3 China Automotive Ethernet Switch Chips Market Size by Type
 - 8.3.1 China Automotive Ethernet Switch Chips Sales by Type (2020-2032)
 - 8.3.2 China Automotive Ethernet Switch Chips Revenue by Type (2020-2032)
- 8.4 China Automotive Ethernet Switch Chips Market Size by Application
 - 8.4.1 China Automotive Ethernet Switch Chips Sales by Application (2020-2032)

8.4.2 China Automotive Ethernet Switch Chips Revenue by Application (2020-2032)

9 APAC (EXCL. CHINA)

9.1 APAC (excl. China) Automotive Ethernet Switch Chips Market Size and Growth Rate Analysis (2020-2032)

9.2 APAC (excl. China) Key Manufacturers Analysis

9.3 APAC (excl. China) Automotive Ethernet Switch Chips Market Size by Type

9.3.1 APAC (excl. China) Automotive Ethernet Switch Chips Sales by Type (2020-2032)

9.3.2 APAC (excl. China) Automotive Ethernet Switch Chips Revenue by Type (2020-2032)

9.4 APAC (excl. China) Automotive Ethernet Switch Chips Market Size by Application

9.4.1 APAC (excl. China) Automotive Ethernet Switch Chips Sales by Application (2020-2032)

9.4.2 APAC (excl. China) Automotive Ethernet Switch Chips Revenue by Application (2020-2032)

9.5 APAC (excl. China) Automotive Ethernet Switch Chips Market Size by Country

9.5.1 Japan

9.5.2 South Korea

9.5.3 India

9.5.4 Australia

9.5.5 Southeast Asia

10 LATIN AMERICA

10.1 Latin America Automotive Ethernet Switch Chips Market Size and Growth Rate Analysis (2020-2032)

10.2 Latin America Key Manufacturers Analysis

10.3 Latin America Automotive Ethernet Switch Chips Market Size by Type

10.3.1 Latin America Automotive Ethernet Switch Chips Sales by Type (2020-2032)

10.3.2 Latin America Automotive Ethernet Switch Chips Revenue by Type (2020-2032)

10.4 Latin America Automotive Ethernet Switch Chips Market Size by Application

10.4.1 Latin America Automotive Ethernet Switch Chips Sales by Application (2020-2032)

10.4.2 Latin America Automotive Ethernet Switch Chips Revenue by Application (2020-2032)

10.5 Latin America Automotive Ethernet Switch Chips Market Size by Country

10.6 Latin America Automotive Ethernet Switch Chips Market Size by Country

10.6.1 Mexico

10.6.2 Brazil

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Automotive Ethernet Switch Chips Market Size and Growth Rate Analysis (2020-2032)

11.2 Middle East & Africa Key Manufacturers Analysis

11.3 Middle East & Africa Automotive Ethernet Switch Chips Market Size by Type

11.3.1 Middle East & Africa Automotive Ethernet Switch Chips Sales by Type (2020-2032)

11.3.2 Middle East & Africa Automotive Ethernet Switch Chips Revenue by Type (2020-2032)

11.4 Middle East & Africa Automotive Ethernet Switch Chips Market Size by Application

11.4.1 Middle East & Africa Automotive Ethernet Switch Chips Sales by Application (2020-2032)

11.4.2 Middle East & Africa Automotive Ethernet Switch Chips Revenue by Application (2020-2032)

11.5 Middle East Automotive Ethernet Switch Chips Market Size by Country

11.5.1 Saudi Arabia

11.5.2 South Africa

12 COMPETITION BY MANUFACTURERS

12.1 Global Automotive Ethernet Switch Chips Market Sales, Revenue and Price by Key Manufacturers (2021-2025)

12.1.1 Global Automotive Ethernet Switch Chips Market Sales by Key Manufacturers (2021-2025)

12.1.2 Global Automotive Ethernet Switch Chips Market Revenue by Key Manufacturers (2021-2025)

12.1.3 Global Automotive Ethernet Switch Chips Average Sales Price by Manufacturers (2021-2025)

12.2 Automotive Ethernet Switch Chips Competitive Landscape Analysis and Market Dynamic

12.2.1 Automotive Ethernet Switch Chips Competitive Landscape Analysis

12.2.2 Global Key Manufacturers Headquarter Location and Key Area Sales

12.2.3 Market Dynamic

13 KEY COMPANIES ANALYSIS

13.1 Broadcom

13.1.1 Broadcom Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.1.2 Broadcom Automotive Ethernet Switch Chips Product Portfolio

13.1.3 Broadcom Automotive Ethernet Switch Chips Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.2 Marvell

13.2.1 Marvell Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.2.2 Marvell Automotive Ethernet Switch Chips Product Portfolio

13.2.3 Marvell Automotive Ethernet Switch Chips Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.3 Microchip Technology

13.3.1 Microchip Technology Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.3.2 Microchip Technology Automotive Ethernet Switch Chips Product Portfolio

13.3.3 Microchip Technology Automotive Ethernet Switch Chips Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.4 NXP Semiconductors

13.4.1 NXP Semiconductors Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.4.2 NXP Semiconductors Automotive Ethernet Switch Chips Product Portfolio

13.4.3 NXP Semiconductors Automotive Ethernet Switch Chips Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.5 Realtek

13.5.1 Realtek Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.5.2 Realtek Automotive Ethernet Switch Chips Product Portfolio

13.5.3 Realtek Automotive Ethernet Switch Chips Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.6 Infineon Technologies

13.6.1 Infineon Technologies Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.6.2 Infineon Technologies Automotive Ethernet Switch Chips Product Portfolio

13.6.3 Infineon Technologies Automotive Ethernet Switch Chips Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.7 Toshiba

13.7.1 Toshiba Basic Company Profile (Employees, Areas Service, Competitors and

Contact Information)

13.7.2 Toshiba Automotive Ethernet Switch Chips Product Portfolio

13.7.3 Toshiba Automotive Ethernet Switch Chips Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14 INDUSTRY CHAIN ANALYSIS

14.1 Automotive Ethernet Switch Chips Industry Chain Analysis

14.2 Automotive Ethernet Switch Chips Industry Raw Material and Suppliers Analysis

14.2.1 Automotive Ethernet Switch Chips Key Raw Material Supply Analysis

14.2.2 Raw Material Suppliers and Contact Information

14.3 Automotive Ethernet Switch Chips Typical Downstream Customers

14.4 Automotive Ethernet Switch Chips Sales Channel Analysis

15 RESEARCH FINDINGS AND CONCLUSION

16 METHODOLOGY AND DATA SOURCE

16.1 Methodology/Research Approach

16.2 Research Scope

16.3 Benchmarks and Assumptions

16.4 Data Source

16.4.1 Primary Sources

16.4.2 Secondary Sources

16.5 Data Cross Validation

16.6 Disclaimer

List Of Tables

LIST OF TABLES

Table 1: Global Automotive Ethernet Switch Chips Market Size Growth Rate by Type, 2024 VS 2025 VS 2032 (US\$ Million)

Table 2: Global Automotive Ethernet Switch Chips Market Size Growth Rate by Application, 2024 VS 2025 VS 2032 (US\$ Million)

Table 3: Automotive Ethernet Switch Chips Industry Development Status

Table 4: Automotive Ethernet Switch Chips Industry Development Trends

Table 5: Global Automotive Ethernet Switch Chips Market Size by Region in US\$ Million: 2024 VS 2025 VS 2032

Table 6: Global Automotive Ethernet Switch Chips Revenue by Region (2020-2025) & (US\$ Million)

Table 7: Global Automotive Ethernet Switch Chips Revenue Market Share by Region (2020-2025)

Table 8: Global Automotive Ethernet Switch Chips Revenue Forecast by Region (2026-2032) & (US\$ Million)

Table 9: Global Automotive Ethernet Switch Chips Revenue Market Share Forecast by Region (2026-2032)

Table 10: Global Automotive Ethernet Switch Chips Sales by Region (2020-2025) & (K Pcs)

Table 11: Global Automotive Ethernet Switch Chips Sales Market Share by Region (2020-2025)

Table 12: Global Automotive Ethernet Switch Chips Sales Forecast by Region (2026-2032) & (K Pcs)

Table 13: Global Automotive Ethernet Switch Chips Sales Market Share Forecast by Region (2026-2032)

Table 14: Global Automotive Ethernet Switch Chips Revenue Analysis by Type (2020-2025) & (US\$ Million)

Table 15: Global Automotive Ethernet Switch Chips Revenue Analysis Forecast by Type (2026-2032) & (US\$ Million)

Table 16: Global Automotive Ethernet Switch Chips Sales Analysis by Type (2020-2025) & (K Pcs)

Table 17: Global Automotive Ethernet Switch Chips Sales Analysis Forecast by Type (2026-2032) & (K Pcs)

Table 18: Global Automotive Ethernet Switch Chips Revenue Analysis by Application (2020-2025) & (US\$ Million)

Table 19: Global Automotive Ethernet Switch Chips Revenue Analysis Forecast by

Application (2026-2032) & (US\$ Million)

Table 20: Global Automotive Ethernet Switch Chips Sales Analysis by Application (2020-2025) & (K Pcs)

Table 21: Global Automotive Ethernet Switch Chips Sales Analysis Forecast by Application (2026-2032) & (K Pcs)

Table 22: Key Automotive Ethernet Switch Chips Players in North America

Table 23: North America Automotive Ethernet Switch Chips Sales by Type (2020-2025) & (K Pcs)

Table 24: North America Automotive Ethernet Switch Chips Sales by Type (2026-2032) & (K Pcs)

Table 25: North America Automotive Ethernet Switch Chips Revenue by Type (2020-2025) & (US\$ Million)

Table 26: North America Automotive Ethernet Switch Chips Revenue by Type (2026-2032) & (US\$ Million)

Table 27: North America Automotive Ethernet Switch Chips Sales by Application (2020-2025) & (K Pcs)

Table 28: North America Automotive Ethernet Switch Chips Sales by Application (2026-2032) & (K Pcs)

Table 29: North America Automotive Ethernet Switch Chips Revenue by Application (2020-2025) & (US\$ Million)

Table 30: North America Automotive Ethernet Switch Chips Revenue by Application (2026-2032) & (US\$ Million)

Table 31: North America Automotive Ethernet Switch Chips Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 32: North America Automotive Ethernet Switch Chips Revenue Market Size by Country (2026-2032) & (US\$ Million)

Table 33: North America Automotive Ethernet Switch Chips Sales Market Size by Country (2020-2025) & (K Pcs)

Table 34: North America Automotive Ethernet Switch Chips Sales Market Size by Country (2026-2032) & (K Pcs)

Table 35: Key Automotive Ethernet Switch Chips Players in Europe

Table 36: Europe Automotive Ethernet Switch Chips Sales by Type (2020-2025) & (K Pcs)

Table 37: Europe Automotive Ethernet Switch Chips Sales by Type (2026-2032) & (K Pcs)

Table 38: Europe Automotive Ethernet Switch Chips Revenue by Type (2020-2025) & (US\$ Million)

Table 39: Europe Automotive Ethernet Switch Chips Revenue by Type (2026-2032) & (US\$ Million)

Table 40: Europe Automotive Ethernet Switch Chips Sales by Application (2020-2025) & (K Pcs)

Table 41: Europe Automotive Ethernet Switch Chips Sales by Application (2026-2032) & (K Pcs)

Table 42: Europe Automotive Ethernet Switch Chips Revenue by Application (2020-2025) & (US\$ Million)

Table 43: Europe Automotive Ethernet Switch Chips Revenue by Application (2026-2032) & (US\$ Million)

Table 44: Europe Automotive Ethernet Switch Chips Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 45: Europe Automotive Ethernet Switch Chips Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 46: Europe Automotive Ethernet Switch Chips Sales Market Size by Country (2020-2025) & (K Pcs)

Table 47: Europe Automotive Ethernet Switch Chips Sales Market Size Forecast by Country (2026-2032) & (K Pcs)

Table 48: Key Automotive Ethernet Switch Chips Players in China

Table 49: China Automotive Ethernet Switch Chips Sales by Type (2020-2025) & (K Pcs)

Table 50: China Automotive Ethernet Switch Chips Sales by Type (2026-2032) & (K Pcs)

Table 51: China Automotive Ethernet Switch Chips Revenue by Type (2020-2025) & (US\$ Million)

Table 52: China Automotive Ethernet Switch Chips Revenue by Type (2026-2032) & (US\$ Million)

Table 53: China Automotive Ethernet Switch Chips Sales by Application (2020-2025) & (K Pcs)

Table 54: China Automotive Ethernet Switch Chips Sales by Application (2026-2032) & (K Pcs)

Table 55: China Automotive Ethernet Switch Chips Revenue by Application (2020-2025) & (US\$ Million)

Table 56: China Automotive Ethernet Switch Chips Revenue by Application (2026-2032) & (US\$ Million)

Table 57: Key Automotive Ethernet Switch Chips Players in APAC (excl. China)

Table 58: APAC (excl. China) Automotive Ethernet Switch Chips Sales by Type (2020-2025) & (K Pcs)

Table 59: APAC (excl. China) Automotive Ethernet Switch Chips Sales by Type (2026-2032) & (K Pcs)

Table 60: APAC (excl. China) Automotive Ethernet Switch Chips Revenue by Type

(2020-2025) & (US\$ Million)

Table 61: APAC (excl. China) Automotive Ethernet Switch Chips Revenue by Type (2026-2032) & (US\$ Million)

Table 62: APAC (excl. China) Automotive Ethernet Switch Chips Sales by Application (2020-2025) & (K Pcs)

Table 63: APAC (excl. China) Automotive Ethernet Switch Chips Sales by Application (2026-2032) & (K Pcs)

Table 64: APAC (excl. China) Automotive Ethernet Switch Chips Revenue by Application (2020-2025) & (US\$ Million)

Table 65: APAC (excl. China) Automotive Ethernet Switch Chips Revenue by Application (2026-2032) & (US\$ Million)

Table 66:: APAC (excl. China) Automotive Ethernet Switch Chips Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 67: APAC (excl. China) Automotive Ethernet Switch Chips Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 68: APAC (excl. China) Automotive Ethernet Switch Chips Sales Market Size by Country (2020-2025) & (K Pcs)

Table 69: APAC (excl. China) Automotive Ethernet Switch Chips Sales Market Size Forecast by Country (2026-2032) & (K Pcs)

Table 70: Key Automotive Ethernet Switch Chips Players in Latin America

Table 71: Latin America Automotive Ethernet Switch Chips Sales by Type (2020-2025) & (K Pcs)

Table 72: Latin America Automotive Ethernet Switch Chips Sales by Type (2026-2032) & (K Pcs)

Table 73: Latin America Automotive Ethernet Switch Chips Revenue by Type (2020-2025) & (US\$ Million)

Table 74: Latin America Automotive Ethernet Switch Chips Revenue by Type (2026-2032) & (US\$ Million)

Table 75: Latin America Automotive Ethernet Switch Chips Sales by Application (2020-2025) & (K Pcs)

Table 76: Latin America Automotive Ethernet Switch Chips Sales by Application (2026-2032) & (K Pcs)

Table 77: Latin America Automotive Ethernet Switch Chips Revenue by Application (2020-2025) & (US\$ Million)

Table 78: Latin America Automotive Ethernet Switch Chips Revenue by Application (2026-2032) & (US\$ Million)

Table 79: Latin America Automotive Ethernet Switch Chips Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 80: Latin America Automotive Ethernet Switch Chips Revenue Market Size

Forecast by Country (2026-2032) & (US\$ Million)

Table 81: Latin America Automotive Ethernet Switch Chips Sales Market Size by Country (2020-2025) & (K Pcs)

Table 82: Latin America Automotive Ethernet Switch Chips Sales Market Size Forecast by Country (2026-2032) & (K Pcs)

Table 83: Key Automotive Ethernet Switch Chips Players in Middle East & Africa

Table 84: Middle East & Africa Automotive Ethernet Switch Chips Sales by Type (2020-2025) & (K Pcs)

Table 85: Middle East & Africa Automotive Ethernet Switch Chips Sales by Type (2026-2032) & (K Pcs)

Table 86: Middle East & Africa Automotive Ethernet Switch Chips Revenue by Type (2020-2025) & (US\$ Million)

Table 87: Middle East & Africa Automotive Ethernet Switch Chips Revenue by Type (2026-2032) & (US\$ Million)

Table 88: Middle East & Africa Automotive Ethernet Switch Chips Sales by Application (2020-2025) & (K Pcs)

Table 89: Middle East & Africa Automotive Ethernet Switch Chips Sales by Application (2026-2032) & (K Pcs)

Table 90: Middle East & Africa Automotive Ethernet Switch Chips Revenue by Application (2020-2025) & (US\$ Million)

Table 91: Middle East & Africa Automotive Ethernet Switch Chips Revenue by Application (2026-2032) & (US\$ Million)

Table 92: Middle East & Africa Automotive Ethernet Switch Chips Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 93: Middle East & Africa Automotive Ethernet Switch Chips Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 94: Middle East & Africa Automotive Ethernet Switch Chips Sales Market Size by Country (2020-2025) & (K Pcs)

Table 95: Middle East & Africa Automotive Ethernet Switch Chips Sales Market Size Forecast by Country (2026-2032) & (K Pcs)

Table 96: Global Automotive Ethernet Switch Chips Market Sales by Key Manufacturers (2021-2025) & (K Pcs)

Table 97: Global Automotive Ethernet Switch Chips Sales Market Share by Key Manufacturers (2021-2025)

Table 98: Global Automotive Ethernet Switch Chips Market Revenue by Key Manufacturers (2021-2025) & (US\$ Million)

Table 99: Global Automotive Ethernet Switch Chips Revenue Market Share by Key Manufacturers (2021-2025)

Table 100: Global Average Sales Price by Manufacturers (2021-2025) & (USD/Pcs)

Table 101: Global Key Manufacturers Headquarter Location and Key Area Sales

Table 102: Market Mergers & Acquisitions, Expansion

Table 103: Broadcom Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 104: Broadcom Automotive Ethernet Switch Chips Product Portfolio

Table 105: Broadcom Automotive Ethernet Switch Chips Revenue (US\$ Million), Sales (K Pcs), Price (USD/Pcs), Gross Margin and Market Share (2021-2025)

Table 106: Marvell Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 107: Marvell Automotive Ethernet Switch Chips Product Portfolio

Table 108: Marvell Automotive Ethernet Switch Chips Revenue (US\$ Million), Sales (K Pcs), Price (USD/Pcs), Gross Margin and Market Share (2021-2025)

Table 109: Microchip Technology Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 110: Microchip Technology Automotive Ethernet Switch Chips Product Portfolio

Table 111: Microchip Technology Automotive Ethernet Switch Chips Revenue (US\$ Million), Sales (K Pcs), Price (USD/Pcs), Gross Margin and Market Share (2021-2025)

Table 112: NXP Semiconductors Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 113: NXP Semiconductors Automotive Ethernet Switch Chips Product Portfolio

Table 114: NXP Semiconductors Automotive Ethernet Switch Chips Revenue (US\$ Million), Sales (K Pcs), Price (USD/Pcs), Gross Margin and Market Share (2021-2025)

Table 115: Realtek Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 116: Realtek Automotive Ethernet Switch Chips Product Portfolio

Table 117: Realtek Automotive Ethernet Switch Chips Revenue (US\$ Million), Sales (K Pcs), Price (USD/Pcs), Gross Margin and Market Share (2021-2025)

Table 118: Infineon Technologies Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 119: Infineon Technologies Automotive Ethernet Switch Chips Product Portfolio

Table 120: Infineon Technologies Automotive Ethernet Switch Chips Revenue (US\$ Million), Sales (K Pcs), Price (USD/Pcs), Gross Margin and Market Share (2021-2025)

Table 121: Toshiba Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 122: Toshiba Automotive Ethernet Switch Chips Product Portfolio

Table 123: Toshiba Automotive Ethernet Switch Chips Revenue (US\$ Million), Sales (K Pcs), Price (USD/Pcs), Gross Margin and Market Share (2021-2025)

Table 124: Upstream Key Raw Material Price List

Table 125: Automotive Ethernet Switch Chips Raw Material Suppliers and Contact

Information

Table 126: Automotive Ethernet Switch Chips Typical Customer List

Table 127: Automotive Ethernet Switch Chips Distributors List

List Of Figures

LIST OF FIGURES

Figure 1: Automotive Ethernet Switch Chips Product Pictures

Figure 2: Automotive Local Area Network (LAN) Picture Scope

Figure 3: Automotive Metropolitan Area Network (MAN) Picture Scope

Figure 4: Passenger Vehicle Picture Scope

Figure 5: Commercial Vehicle Picture Scope

Figure 6: Global Automotive Ethernet Switch Chips Market Size Analysis: 2024 VS 2025 VS 2032 (US\$ Million)

Figure 7: Global Automotive Ethernet Switch Chips Market Revenue and Growth Rate Analysis: (2020-2032) & (US\$ Million)

Figure 8: Global Automotive Ethernet Switch Chips Market Sales and Growth Rate Analysis (2020-2032) & (K Pcs)

Figure 9: Global Automotive Ethernet Switch Chips Market Price Trend Analysis (2020-2032) & (USD/Pcs)

Figure 10: Global Automotive Ethernet Switch Chips Market Size by Region (2020-2032) & (US\$ Million)

Figure 11: Global Automotive Ethernet Switch Chips Market Share Scenario by Region in Percentage: 2025 Versus 2032

Figure 12: Global Automotive Ethernet Switch Chips Sales Price by Region (2020-2032) & (K Pcs)

Figure 13: North America Automotive Ethernet Switch Chips Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 14: North America Automotive Ethernet Switch Chips Revenue Market Share by Players in 2024

Figure 15: North America Automotive Ethernet Switch Chips Sales Market Share by Type (2020-2032)

Figure 16: North America Automotive Ethernet Switch Chips Revenue Market Share by Type (2020-2032)

Figure 17: North America Automotive Ethernet Switch Chips Sales Market Share by Application (2020-2032)

Figure 18: North America Automotive Ethernet Switch Chips Revenue Market Share by Application (2020-2032)

Figure 19: US Automotive Ethernet Switch Chips Revenue (2020-2032) & (US\$ Million)

Figure 20: Canada Automotive Ethernet Switch Chips Revenue (2020-2032) & (US\$ Million)

Figure 21: Europe Automotive Ethernet Switch Chips Market Size and Growth Rate

(2020-2032) & (US\$ Million)

Figure 22:Europe Automotive Ethernet Switch Chips Revenue Market Share by Players in 2024

Figure 23:Europe Automotive Ethernet Switch Chips Sales Market Share by Type (2020-2032)

Figure 24:Europe Automotive Ethernet Switch Chips Revenue Market Share by Type (2020-2032)

Figure 25:Europe Automotive Ethernet Switch Chips Sales Market Share by Application (2020-2032)

Figure 26:Europe Automotive Ethernet Switch Chips Revenue Market Share by Application (2020-2032)

Figure 27:Germany Automotive Ethernet Switch Chips Revenue (2020-2032) & (US\$ Million)

Figure 28:France Automotive Ethernet Switch Chips Revenue (2020-2032) & (US\$ Million)

Figure 29:United Kingdom Automotive Ethernet Switch Chips Revenue (2020-2032) & (US\$ Million)

Figure 30:Italy Automotive Ethernet Switch Chips Revenue (2020-2032) & (US\$ Million)

Figure 31:Spain Automotive Ethernet Switch Chips Revenue (2020-2032) & (US\$ Million)

Figure 32:Benelux Automotive Ethernet Switch Chips Revenue (2020-2032) & (US\$ Million)

Figure 33:China Automotive Ethernet Switch Chips Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 34:China Automotive Ethernet Switch Chips Revenue Market Share by Players in 2024

Figure 35:China Automotive Ethernet Switch Chips Sales Market Share by Type (2020-2032)

Figure 36:China Automotive Ethernet Switch Chips Revenue Market Share by Type (2020-2032)

Figure 37:China Automotive Ethernet Switch Chips Sales Market Share by Application (2020-2032)

Figure 38:China Automotive Ethernet Switch Chips Revenue Market Share by Application (2020-2032)

Figure 39:APAC (excl. China) Automotive Ethernet Switch Chips Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 40:APAC (excl. China) Automotive Ethernet Switch Chips Revenue Market Share by Players in 2024

Figure 41:APAC (excl. China) Automotive Ethernet Switch Chips Sales Market Share by

Type (2020-2032)

Figure 42:APAC (excl. China) Automotive Ethernet Switch Chips Revenue Market Share by Type (2020-2032)

Figure 43:APAC (excl. China) Automotive Ethernet Switch Chips Sales Market Share by Application (2020-2032)

Figure 44:APAC (excl. China) Automotive Ethernet Switch Chips Revenue Market Share by Application (2020-2032)

Figure 45:Japan Automotive Ethernet Switch Chips Revenue (2020-2032) & (US\$ Million)

Figure 46:South Korea Automotive Ethernet Switch Chips Revenue (2020-2032) & (US\$ Million)

Figure 47:India Automotive Ethernet Switch Chips Revenue (2020-2032) & (US\$ Million)

Figure 48:Australia Automotive Ethernet Switch Chips Revenue (2020-2032) & (US\$ Million)

Figure 49:Southeast Asia Automotive Ethernet Switch Chips Revenue (2020-2032) & (US\$ Million)

Figure 50:Latin America Automotive Ethernet Switch Chips Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 51:Latin America Automotive Ethernet Switch Chips Revenue Market Share by Players in 2024

Figure 52:Latin America Automotive Ethernet Switch Chips Sales Market Share by Type (2020-2032)

Figure 53:Latin America Automotive Ethernet Switch Chips Revenue Market Share by Type (2020-2032)

Figure 54:Latin America Automotive Ethernet Switch Chips Sales Market Share by Application (2020-2032)

Figure 55:Latin America Automotive Ethernet Switch Chips Revenue Market Share by Application (2020-2032)

Figure 56:Mexico Automotive Ethernet Switch Chips Revenue (2020-2032) & (US\$ Million)

Figure 57:Brazil Automotive Ethernet Switch Chips Revenue (2020-2032) & (US\$ Million)

Figure 58:Middle East & Africa Automotive Ethernet Switch Chips Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 59:Middle East & Africa Automotive Ethernet Switch Chips Revenue Market Share by Players in 2024

Figure 60:Middle East & Africa Automotive Ethernet Switch Chips Sales Market Share by Type (2020-2032)

Figure 61: Middle East & Africa Automotive Ethernet Switch Chips Revenue Market Share by Type (2020-2032)

Figure 62: Middle East & Africa Automotive Ethernet Switch Chips Sales Market Share by Application (2020-2032)

Figure 63: Middle East & Africa Automotive Ethernet Switch Chips Revenue Market Share by Application (2020-2032)

Figure 64: Saudi Arabia Automotive Ethernet Switch Chips Revenue (2020-2032) & (US\$ Million)

Figure 65: South Africa Automotive Ethernet Switch Chips Revenue (2020-2032) & (US\$ Million)

Figure 66: Global Automotive Ethernet Switch Chips Sales Market Share by Key Manufacturers in 2024

Figure 67: Global Automotive Ethernet Switch Chips Revenue Market Share by Key Manufacturers in 2024

Figure 68: Global Automotive Ethernet Switch Chips Industry Competition Landscape

Figure 69: Automotive Ethernet Switch Chips Industry Chain Analysis

Figure 70: Bottom-Up and Top-Down Research Methods

Figure 71: Key Interview Objectives

Figure 72: Data Cross Validation

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