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Global ARM based System on Modules Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global ARM based System on Modules market size is expected to reach $ 1561.2 million by 2029, rising at a market growth of 14.6% CAGR during the forecast period (2023-2029).

The key manufacturers of ARM based System on Modules include Advantech, Microchip Technology, Inc., Digi International Inc., CompuLab, Kontron, Avnet Embedded (MSC Technologies), Congatec GmbH, etc. The top three players account for about 23% of the market in total.

According to different standards, ARM-based module system can be divided into Qseven Standard, SMARC Standard, COMExpress Standard and other types. The market share ratio of the three main types is about 3:3:2.

The main application scopes are Industrial automation, automotive&transport, medical, defense&aerospace, communications,a nd others. Industrial automation accounts for the highest proportion, about 28%.

ARM System on Module (SoM) is an embedded computer system that contains an ARM-based microprocessor, memory, flash storage, and various peripheral interfaces, all integrated onto a single printed circuit board (PCB) module. SoMs are designed to be highly compact, low-power, and provide high-performance computing capabilities. They offer standardized interfaces and packaging, making it easy to integrate into other systems, reducing development costs and time. The customer only needs to develop or integrate the mainboard, power supply, and peripheral devices to create a complete system suitable for various embedded applications.

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This report studies the global ARM based System on Modules production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for ARM based System on Modules, and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of ARM based System on Modules that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global ARM based System on Modules total production and demand, 2018-2029, (K Units)

Global ARM based System on Modules total production value, 2018-2029, (USD Million)

Global ARM based System on Modules production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global ARM based System on Modules consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: ARM based System on Modules domestic production, consumption, key domestic manufacturers and share

Global ARM based System on Modules production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global ARM based System on Modules production by Standard, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global ARM based System on Modules production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global ARM based System on Modules market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Advantech Co. Ltd., Digi International

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Inc, Kontron, Avnet Embedded (MSC Technologies), Congatec GmbH, ADLink, Variscite, Axiomtek and Toradex, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World ARM based System on Modules market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Units) and average price (US$/Unit) by manufacturer, by Standard, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global ARM based System on Modules Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global ARM based System on Modules Market, Segmentation by Standard

Qseven Standard

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SMARC Standard

COMExpress Standard

Others

Global ARM based System on Modules Market, Segmentation by Application

Industrial Automation

Automotive & Transport

Medical

Defense & Aerospace

Communications

Others

Companies Profiled:

Advantech Co. Ltd.

Digi International Inc

Kontron

Avnet Embedded (MSC Technologies)

Congatec GmbH

ADLink

Variscite

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Axiomtek

Toradex

Microchip Technology, Inc.

SECO

CompuLab

Mistral

Emcraft Systems

NetBurner

SoMLabs

Microprogram Information

Key Questions Answered

1. How big is the global ARM based System on Modules market?

2. What is the demand of the global ARM based System on Modules market?

3. What is the year over year growth of the global ARM based System on Modules market?

4. What is the production and production value of the global ARM based System on Modules market?

5. Who are the key producers in the global ARM based System on Modules market?

6. What are the growth factors driving the market demand?

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Contents

1 SUPPLY SUMMARY

1.1 ARM based System on Modules Introduction
1.2 World ARM based System on Modules Supply & Forecast
  1.2.1 World ARM based System on Modules Production Value (2018 & 2022 & 2029)
  1.2.2 World ARM based System on Modules Production (2018-2029)
  1.2.3 World ARM based System on Modules Pricing Trends (2018-2029)
1.3 World ARM based System on Modules Production by Region (Based on Production Site)
  1.3.1 World ARM based System on Modules Production Value by Region (2018-2029)
  1.3.2 World ARM based System on Modules Production by Region (2018-2029)
  1.3.3 World ARM based System on Modules Average Price by Region (2018-2029)
  1.3.4 North America ARM based System on Modules Production (2018-2029)
  1.3.5 Europe ARM based System on Modules Production (2018-2029)
  1.3.6 China ARM based System on Modules Production (2018-2029)
  1.3.7 India ARM based System on Modules Production (2018-2029)
1.4 Market Drivers, Restraints and Trends
  1.4.1 ARM based System on Modules Market Drivers
  1.4.2 Factors Affecting Demand
  1.4.3 ARM based System on Modules Major Market Trends
1.5 Influence of COVID-19 and Russia-Ukraine War
  1.5.1 Influence of COVID-19
  1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

2.1 World ARM based System on Modules Demand (2018-2029)
2.2 World ARM based System on Modules Consumption by Region
  2.2.1 World ARM based System on Modules Consumption by Region (2018-2023)
  2.2.2 World ARM based System on Modules Consumption Forecast by Region (2024-2029)
2.3 United States ARM based System on Modules Consumption (2018-2029)
2.4 China ARM based System on Modules Consumption (2018-2029)
2.5 Europe ARM based System on Modules Consumption (2018-2029)
2.6 Japan ARM based System on Modules Consumption (2018-2029)
2.7 South Korea ARM based System on Modules Consumption (2018-2029)
2.8 ASEAN ARM based System on Modules Consumption (2018-2029)

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2.9 India ARM based System on Modules Consumption (2018-2029)

3 WORLD ARM BASED SYSTEM ON MODULES MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World ARM based System on Modules Production Value by Manufacturer (2018-2023)
3.2 World ARM based System on Modules Production by Manufacturer (2018-2023)
3.3 World ARM based System on Modules Average Price by Manufacturer (2018-2023)
3.4 ARM based System on Modules Company Evaluation Quadrant
3.5 Industry Rank and Concentration Rate (CR)
  3.5.1 Global ARM based System on Modules Industry Rank of Major Manufacturers
  3.5.2 Global Concentration Ratios (CR4) for ARM based System on Modules in 2022
  3.5.3 Global Concentration Ratios (CR8) for ARM based System on Modules in 2022
3.6 ARM based System on Modules Market: Overall Company Footprint Analysis
  3.6.1 ARM based System on Modules Market: Region Footprint
  3.6.2 ARM based System on Modules Market: Company Product Type Footprint
  3.6.3 ARM based System on Modules Market: Company Product Application Footprint
3.7 Competitive Environment
  3.7.1 Historical Structure of the Industry
  3.7.2 Barriers of Market Entry
  3.7.3 Factors of Competition
3.8 New Entrant and Capacity Expansion Plans
3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: ARM based System on Modules Production Value Comparison
  4.1.1 United States VS China: ARM based System on Modules Production Value Comparison (2018 & 2022 & 2029)
  4.1.2 United States VS China: ARM based System on Modules Production Value Market Share Comparison (2018 & 2022 & 2029)
4.2 United States VS China: ARM based System on Modules Production Comparison
  4.2.1 United States VS China: ARM based System on Modules Production Comparison (2018 & 2022 & 2029)
  4.2.2 United States VS China: ARM based System on Modules Production Market Share Comparison (2018 & 2022 & 2029)
4.3 United States VS China: ARM based System on Modules Consumption Comparison

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info@marketpublishers.com

4.3.1 United States VS China: ARM based System on Modules Consumption Comparison (2018 & 2022 & 2029)
4.3.2 United States VS China: ARM based System on Modules Consumption Market Share Comparison (2018 & 2022 & 2029)
4.4 United States Based ARM based System on Modules Manufacturers and Market Share, 2018-2023
4.4.1 United States Based ARM based System on Modules Manufacturers, Headquarters and Production Site (States, Country)
4.4.2 United States Based Manufacturers ARM based System on Modules Production Value (2018-2023)
4.4.3 United States Based Manufacturers ARM based System on Modules Production (2018-2023)
4.5 China Based ARM based System on Modules Manufacturers and Market Share
4.5.1 China Based ARM based System on Modules Manufacturers, Headquarters and Production Site (Province, Country)
4.5.2 China Based Manufacturers ARM based System on Modules Production Value (2018-2023)
4.5.3 China Based Manufacturers ARM based System on Modules Production (2018-2023)
4.6 Rest of World Based ARM based System on Modules Manufacturers and Market Share, 2018-2023
4.6.1 Rest of World Based ARM based System on Modules Manufacturers, Headquarters and Production Site (State, Country)
4.6.2 Rest of World Based Manufacturers ARM based System on Modules Production Value (2018-2023)
4.6.3 Rest of World Based Manufacturers ARM based System on Modules Production (2018-2023)

5 MARKET ANALYSIS BY STANDARD

5.1 World ARM based System on Modules Market Size Overview by Standard: 2018 VS 2022 VS 2029
5.2 Segment Introduction by Standard
5.2.1 Qseven Standard
5.2.2 SMARC Standard
5.2.3 COMExpress Standard
5.2.4 Others
5.3 Market Segment by Standard
5.3.1 World ARM based System on Modules Production by Standard (2018-2029)

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5.3.2 World ARM based System on Modules Production Value by Standard (2018-2029)
5.3.3 World ARM based System on Modules Average Price by Standard (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World ARM based System on Modules Market Size Overview by Application: 2018 VS 2022 VS 2029
6.2 Segment Introduction by Application
6.2.1 Industrial Automation
6.2.2 Automotive & Transport
6.2.3 Medical
6.2.4 Defense & Aerospace
6.2.5 Communications
6.2.6 Others
6.3 Market Segment by Application
6.3.1 World ARM based System on Modules Production by Application (2018-2029)
6.3.2 World ARM based System on Modules Production Value by Application (2018-2029)
6.3.3 World ARM based System on Modules Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 Advantech Co. Ltd.
7.1.1 Advantech Co. Ltd. Details
7.1.2 Advantech Co. Ltd. Major Business
7.1.3 Advantech Co. Ltd. ARM based System on Modules Product and Services
7.1.4 Advantech Co. Ltd. ARM based System on Modules Production, Price, Value, Gross Margin and Market Share (2018-2023)
7.1.5 Advantech Co. Ltd. Recent Developments/Updates
7.1.6 Advantech Co. Ltd. Competitive Strengths & Weaknesses
7.2 Digi International Inc
7.2.1 Digi International Inc Details
7.2.2 Digi International Inc Major Business
7.2.3 Digi International Inc ARM based System on Modules Product and Services
7.2.4 Digi International Inc ARM based System on Modules Production, Price, Value, Gross Margin and Market Share (2018-2023)
7.2.5 Digi International Inc Recent Developments/Updates

+44 20 8123 2220
info@marketpublishers.com

7.2.6 Digi International Inc Competitive Strengths & Weaknesses
7.3 Kontron
7.3.1 Kontron Details
7.3.2 Kontron Major Business
7.3.3 Kontron ARM based System on Modules Product and Services
7.3.4 Kontron ARM based System on Modules Production, Price, Value, Gross Margin and Market Share (2018-2023)
7.3.5 Kontron Recent Developments/Updates
7.3.6 Kontron Competitive Strengths & Weaknesses
7.4 Avnet Embedded (MSC Technologies)
7.4.1 Avnet Embedded (MSC Technologies) Details
7.4.2 Avnet Embedded (MSC Technologies) Major Business
7.4.3 Avnet Embedded (MSC Technologies) ARM based System on Modules Product and Services
7.4.4 Avnet Embedded (MSC Technologies) ARM based System on Modules Production, Price, Value, Gross Margin and Market Share (2018-2023)
7.4.5 Avnet Embedded (MSC Technologies) Recent Developments/Updates
7.4.6 Avnet Embedded (MSC Technologies) Competitive Strengths & Weaknesses
7.5 Congatec GmbH
7.5.1 Congatec GmbH Details
7.5.2 Congatec GmbH Major Business
7.5.3 Congatec GmbH ARM based System on Modules Product and Services
7.5.4 Congatec GmbH ARM based System on Modules Production, Price, Value, Gross Margin and Market Share (2018-2023)
7.5.5 Congatec GmbH Recent Developments/Updates
7.5.6 Congatec GmbH Competitive Strengths & Weaknesses
7.6 ADLink
7.6.1 ADLink Details
7.6.2 ADLink Major Business
7.6.3 ADLink ARM based System on Modules Product and Services
7.6.4 ADLink ARM based System on Modules Production, Price, Value, Gross Margin and Market Share (2018-2023)
7.6.5 ADLink Recent Developments/Updates
7.6.6 ADLink Competitive Strengths & Weaknesses
7.7 Variscite
7.7.1 Variscite Details
7.7.2 Variscite Major Business
7.7.3 Variscite ARM based System on Modules Product and Services
7.7.4 Variscite ARM based System on Modules Production, Price, Value, Gross

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Margin and Market Share (2018-2023)
7.7.5 Variscite Recent Developments/Updates
7.7.6 Variscite Competitive Strengths & Weaknesses
7.8 Axiomtek
7.8.1 Axiomtek Details
7.8.2 Axiomtek Major Business
7.8.3 Axiomtek ARM based System on Modules Product and Services
7.8.4 Axiomtek ARM based System on Modules Production, Price, Value, Gross Margin and Market Share (2018-2023)
7.8.5 Axiomtek Recent Developments/Updates
7.8.6 Axiomtek Competitive Strengths & Weaknesses
7.9 Toradex
7.9.1 Toradex Details
7.9.2 Toradex Major Business
7.9.3 Toradex ARM based System on Modules Product and Services
7.9.4 Toradex ARM based System on Modules Production, Price, Value, Gross Margin and Market Share (2018-2023)
7.9.5 Toradex Recent Developments/Updates
7.9.6 Toradex Competitive Strengths & Weaknesses
7.10 Microchip Technology, Inc.
7.10.1 Microchip Technology, Inc. Details
7.10.2 Microchip Technology, Inc. Major Business
7.10.3 Microchip Technology, Inc. ARM based System on Modules Product and Services
7.10.4 Microchip Technology, Inc. ARM based System on Modules Production, Price, Value, Gross Margin and Market Share (2018-2023)
7.10.5 Microchip Technology, Inc. Recent Developments/Updates
7.10.6 Microchip Technology, Inc. Competitive Strengths & Weaknesses
7.11 SECO
7.11.1 SECO Details
7.11.2 SECO Major Business
7.11.3 SECO ARM based System on Modules Product and Services
7.11.4 SECO ARM based System on Modules Production, Price, Value, Gross Margin and Market Share (2018-2023)
7.11.5 SECO Recent Developments/Updates
7.11.6 SECO Competitive Strengths & Weaknesses
7.12 CompuLab
7.12.1 CompuLab Details
7.12.2 CompuLab Major Business

+44 20 8123 2220
info@marketpublishers.com

7.12.3 CompuLab ARM based System on Modules Product and Services
7.12.4 CompuLab ARM based System on Modules Production, Price, Value, Gross Margin and Market Share (2018-2023)
7.12.5 CompuLab Recent Developments/Updates
7.12.6 CompuLab Competitive Strengths & Weaknesses
7.13 Mistral
7.13.1 Mistral Details
7.13.2 Mistral Major Business
7.13.3 Mistral ARM based System on Modules Product and Services
7.13.4 Mistral ARM based System on Modules Production, Price, Value, Gross Margin and Market Share (2018-2023)
7.13.5 Mistral Recent Developments/Updates
7.13.6 Mistral Competitive Strengths & Weaknesses
7.14 Emcraft Systems
7.14.1 Emcraft Systems Details
7.14.2 Emcraft Systems Major Business
7.14.3 Emcraft Systems ARM based System on Modules Product and Services
7.14.4 Emcraft Systems ARM based System on Modules Production, Price, Value, Gross Margin and Market Share (2018-2023)
7.14.5 Emcraft Systems Recent Developments/Updates
7.14.6 Emcraft Systems Competitive Strengths & Weaknesses
7.15 NetBurner
7.15.1 NetBurner Details
7.15.2 NetBurner Major Business
7.15.3 NetBurner ARM based System on Modules Product and Services
7.15.4 NetBurner ARM based System on Modules Production, Price, Value, Gross Margin and Market Share (2018-2023)
7.15.5 NetBurner Recent Developments/Updates
7.15.6 NetBurner Competitive Strengths & Weaknesses
7.16 SoMLabs
7.16.1 SoMLabs Details
7.16.2 SoMLabs Major Business
7.16.3 SoMLabs ARM based System on Modules Product and Services
7.16.4 SoMLabs ARM based System on Modules Production, Price, Value, Gross Margin and Market Share (2018-2023)
7.16.5 SoMLabs Recent Developments/Updates
7.16.6 SoMLabs Competitive Strengths & Weaknesses
7.17 Microprogram Information
7.17.1 Microprogram Information Details

+44 20 8123 2220
info@marketpublishers.com

7.17.2 Microprogram Information Major Business
7.17.3 Microprogram Information ARM based System on Modules Product and Services
7.17.4 Microprogram Information ARM based System on Modules Production, Price, Value, Gross Margin and Market Share (2018-2023)
7.17.5 Microprogram Information Recent Developments/Updates
7.17.6 Microprogram Information Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

8.1 ARM based System on Modules Industry Chain
8.2 ARM based System on Modules Upstream Analysis
8.2.1 ARM based System on Modules Core Raw Materials
8.2.2 Main Manufacturers of ARM based System on Modules Core Raw Materials
8.3 Midstream Analysis
8.4 Downstream Analysis
8.5 ARM based System on Modules Production Mode
8.6 ARM based System on Modules Procurement Model
8.7 ARM based System on Modules Industry Sales Model and Sales Channels
8.7.1 ARM based System on Modules Sales Model
8.7.2 ARM based System on Modules Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

10.1 Methodology
10.2 Research Process and Data Source
10.3 Disclaimer

+44 20 8123 2220
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1. World ARM based System on Modules Production Value by Region (2018, 2022 and 2029) & (USD Million)
Table 2. World ARM based System on Modules Production Value by Region (2018-2023) & (USD Million)
Table 3. World ARM based System on Modules Production Value by Region (2024-2029) & (USD Million)
Table 4. World ARM based System on Modules Production Value Market Share by Region (2018-2023)
Table 5. World ARM based System on Modules Production Value Market Share by Region (2024-2029)
Table 6. World ARM based System on Modules Production by Region (2018-2023) & (K Units)
Table 7. World ARM based System on Modules Production by Region (2024-2029) & (K Units)
Table 8. World ARM based System on Modules Production Market Share by Region (2018-2023)
Table 9. World ARM based System on Modules Production Market Share by Region (2024-2029)
Table 10. World ARM based System on Modules Average Price by Region (2018-2023) & (US$/Unit)
Table 11. World ARM based System on Modules Average Price by Region (2024-2029) & (US$/Unit)
Table 12. ARM based System on Modules Major Market Trends
Table 13. World ARM based System on Modules Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)
Table 14. World ARM based System on Modules Consumption by Region (2018-2023) & (K Units)
Table 15. World ARM based System on Modules Consumption Forecast by Region (2024-2029) & (K Units)
Table 16. World ARM based System on Modules Production Value by Manufacturer (2018-2023) & (USD Million)
Table 17. Production Value Market Share of Key ARM based System on Modules Producers in 2022
Table 18. World ARM based System on Modules Production by Manufacturer (2018-2023) & (K Units)

+44 20 8123 2220
info@marketpublishers.com

Table 19. Production Market Share of Key ARM based System on Modules Producers in 2022
Table 20. World ARM based System on Modules Average Price by Manufacturer (2018-2023) & (US$/Unit)
Table 21. Global ARM based System on Modules Company Evaluation Quadrant
Table 22. World ARM based System on Modules Industry Rank of Major Manufacturers, Based on Production Value in 2022
Table 23. Head Office and ARM based System on Modules Production Site of Key Manufacturer
Table 24. ARM based System on Modules Market: Company Product Type Footprint
Table 25. ARM based System on Modules Market: Company Product Application Footprint
Table 26. ARM based System on Modules Competitive Factors
Table 27. ARM based System on Modules New Entrant and Capacity Expansion Plans
Table 28. ARM based System on Modules Mergers & Acquisitions Activity
Table 29. United States VS China ARM based System on Modules Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)
Table 30. United States VS China ARM based System on Modules Production Comparison, (2018 & 2022 & 2029) & (K Units)
Table 31. United States VS China ARM based System on Modules Consumption Comparison, (2018 & 2022 & 2029) & (K Units)
Table 32. United States Based ARM based System on Modules Manufacturers, Headquarters and Production Site (States, Country)
Table 33. United States Based Manufacturers ARM based System on Modules Production Value, (2018-2023) & (USD Million)
Table 34. United States Based Manufacturers ARM based System on Modules Production Value Market Share (2018-2023)
Table 35. United States Based Manufacturers ARM based System on Modules Production (2018-2023) & (K Units)
Table 36. United States Based Manufacturers ARM based System on Modules Production Market Share (2018-2023)
Table 37. China Based ARM based System on Modules Manufacturers, Headquarters and Production Site (Province, Country)
Table 38. China Based Manufacturers ARM based System on Modules Production Value, (2018-2023) & (USD Million)
Table 39. China Based Manufacturers ARM based System on Modules Production Value Market Share (2018-2023)
Table 40. China Based Manufacturers ARM based System on Modules Production (2018-2023) & (K Units)

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info@marketpublishers.com

Table 41. China Based Manufacturers ARM based System on Modules Production Market Share (2018-2023)
Table 42. Rest of World Based ARM based System on Modules Manufacturers, Headquarters and Production Site (States, Country)
Table 43. Rest of World Based Manufacturers ARM based System on Modules Production Value, (2018-2023) & (USD Million)
Table 44. Rest of World Based Manufacturers ARM based System on Modules Production Value Market Share (2018-2023)
Table 45. Rest of World Based Manufacturers ARM based System on Modules Production (2018-2023) & (K Units)
Table 46. Rest of World Based Manufacturers ARM based System on Modules Production Market Share (2018-2023)
Table 47. World ARM based System on Modules Production Value by Standard, (USD Million), 2018 & 2022 & 2029
Table 48. World ARM based System on Modules Production by Standard (2018-2023) & (K Units)
Table 49. World ARM based System on Modules Production by Standard (2024-2029) & (K Units)
Table 50. World ARM based System on Modules Production Value by Standard (2018-2023) & (USD Million)
Table 51. World ARM based System on Modules Production Value by Standard (2024-2029) & (USD Million)
Table 52. World ARM based System on Modules Average Price by Standard (2018-2023) & (US$/Unit)
Table 53. World ARM based System on Modules Average Price by Standard (2024-2029) & (US$/Unit)
Table 54. World ARM based System on Modules Production Value by Application, (USD Million), 2018 & 2022 & 2029
Table 55. World ARM based System on Modules Production by Application (2018-2023) & (K Units)
Table 56. World ARM based System on Modules Production by Application (2024-2029) & (K Units)
Table 57. World ARM based System on Modules Production Value by Application (2018-2023) & (USD Million)
Table 58. World ARM based System on Modules Production Value by Application (2024-2029) & (USD Million)
Table 59. World ARM based System on Modules Average Price by Application (2018-2023) & (US$/Unit)
Table 60. World ARM based System on Modules Average Price by Application

(2024-2029) & (US$/Unit)
Table 61. Advantech Co. Ltd. Basic Information, Manufacturing Base and Competitors
Table 62. Advantech Co. Ltd. Major Business
Table 63. Advantech Co. Ltd. ARM based System on Modules Product and Services
Table 64. Advantech Co. Ltd. ARM based System on Modules Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 65. Advantech Co. Ltd. Recent Developments/Updates
Table 66. Advantech Co. Ltd. Competitive Strengths & Weaknesses
Table 67. Digi International Inc Basic Information, Manufacturing Base and Competitors
Table 68. Digi International Inc Major Business
Table 69. Digi International Inc ARM based System on Modules Product and Services
Table 70. Digi International Inc ARM based System on Modules Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 71. Digi International Inc Recent Developments/Updates
Table 72. Digi International Inc Competitive Strengths & Weaknesses
Table 73. Kontron Basic Information, Manufacturing Base and Competitors
Table 74. Kontron Major Business
Table 75. Kontron ARM based System on Modules Product and Services
Table 76. Kontron ARM based System on Modules Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 77. Kontron Recent Developments/Updates
Table 78. Kontron Competitive Strengths & Weaknesses
Table 79. Avnet Embedded (MSC Technologies) Basic Information, Manufacturing Base and Competitors
Table 80. Avnet Embedded (MSC Technologies) Major Business
Table 81. Avnet Embedded (MSC Technologies) ARM based System on Modules Product and Services
Table 82. Avnet Embedded (MSC Technologies) ARM based System on Modules Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 83. Avnet Embedded (MSC Technologies) Recent Developments/Updates
Table 84. Avnet Embedded (MSC Technologies) Competitive Strengths & Weaknesses
Table 85. Congatec GmbH Basic Information, Manufacturing Base and Competitors
Table 86. Congatec GmbH Major Business
Table 87. Congatec GmbH ARM based System on Modules Product and Services
Table 88. Congatec GmbH ARM based System on Modules Production (K Units), Price

+44 20 8123 2220
info@marketpublishers.com

(US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 89. Congatec GmbH Recent Developments/Updates
Table 90. Congatec GmbH Competitive Strengths & Weaknesses
Table 91. ADLink Basic Information, Manufacturing Base and Competitors
Table 92. ADLink Major Business
Table 93. ADLink ARM based System on Modules Product and Services
Table 94. ADLink ARM based System on Modules Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 95. ADLink Recent Developments/Updates
Table 96. ADLink Competitive Strengths & Weaknesses
Table 97. Variscite Basic Information, Manufacturing Base and Competitors
Table 98. Variscite Major Business
Table 99. Variscite ARM based System on Modules Product and Services
Table 100. Variscite ARM based System on Modules Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 101. Variscite Recent Developments/Updates
Table 102. Variscite Competitive Strengths & Weaknesses
Table 103. Axiomtek Basic Information, Manufacturing Base and Competitors
Table 104. Axiomtek Major Business
Table 105. Axiomtek ARM based System on Modules Product and Services
Table 106. Axiomtek ARM based System on Modules Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 107. Axiomtek Recent Developments/Updates
Table 108. Axiomtek Competitive Strengths & Weaknesses
Table 109. Toradex Basic Information, Manufacturing Base and Competitors
Table 110. Toradex Major Business
Table 111. Toradex ARM based System on Modules Product and Services
Table 112. Toradex ARM based System on Modules Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 113. Toradex Recent Developments/Updates
Table 114. Toradex Competitive Strengths & Weaknesses
Table 115. Microchip Technology, Inc. Basic Information, Manufacturing Base and Competitors
Table 116. Microchip Technology, Inc. Major Business

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Table 117. Microchip Technology, Inc. ARM based System on Modules Product and Services
Table 118. Microchip Technology, Inc. ARM based System on Modules Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 119. Microchip Technology, Inc. Recent Developments/Updates
Table 120. Microchip Technology, Inc. Competitive Strengths & Weaknesses
Table 121. SECO Basic Information, Manufacturing Base and Competitors
Table 122. SECO Major Business
Table 123. SECO ARM based System on Modules Product and Services
Table 124. SECO ARM based System on Modules Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 125. SECO Recent Developments/Updates
Table 126. SECO Competitive Strengths & Weaknesses
Table 127. CompuLab Basic Information, Manufacturing Base and Competitors
Table 128. CompuLab Major Business
Table 129. CompuLab ARM based System on Modules Product and Services
Table 130. CompuLab ARM based System on Modules Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 131. CompuLab Recent Developments/Updates
Table 132. CompuLab Competitive Strengths & Weaknesses
Table 133. Mistral Basic Information, Manufacturing Base and Competitors
Table 134. Mistral Major Business
Table 135. Mistral ARM based System on Modules Product and Services
Table 136. Mistral ARM based System on Modules Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 137. Mistral Recent Developments/Updates
Table 138. Mistral Competitive Strengths & Weaknesses
Table 139. Emcraft Systems Basic Information, Manufacturing Base and Competitors
Table 140. Emcraft Systems Major Business
Table 141. Emcraft Systems ARM based System on Modules Product and Services
Table 142. Emcraft Systems ARM based System on Modules Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 143. Emcraft Systems Recent Developments/Updates
Table 144. Emcraft Systems Competitive Strengths & Weaknesses

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Table 145. NetBurner Basic Information, Manufacturing Base and Competitors
Table 146. NetBurner Major Business
Table 147. NetBurner ARM based System on Modules Product and Services
Table 148. NetBurner ARM based System on Modules Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 149. NetBurner Recent Developments/Updates
Table 150. NetBurner Competitive Strengths & Weaknesses
Table 151. SoMLabs Basic Information, Manufacturing Base and Competitors
Table 152. SoMLabs Major Business
Table 153. SoMLabs ARM based System on Modules Product and Services
Table 154. SoMLabs ARM based System on Modules Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 155. SoMLabs Recent Developments/Updates
Table 156. Microprogram Information Basic Information, Manufacturing Base and Competitors
Table 157. Microprogram Information Major Business
Table 158. Microprogram Information ARM based System on Modules Product and Services
Table 159. Microprogram Information ARM based System on Modules Production (K Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 160. Global Key Players of ARM based System on Modules Upstream (Raw Materials)
Table 161. ARM based System on Modules Typical Customers
Table 162. ARM based System on Modules Typical Distributors

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List Of Figures

LIST OF FIGURES

Figure 1. ARM based System on Modules Picture
Figure 2. World ARM based System on Modules Production Value: 2018 & 2022 & 2029, (USD Million)
Figure 3. World ARM based System on Modules Production Value and Forecast (2018-2029) & (USD Million)
Figure 4. World ARM based System on Modules Production (2018-2029) & (K Units)
Figure 5. World ARM based System on Modules Average Price (2018-2029) & (US$/Unit)
Figure 6. World ARM based System on Modules Production Value Market Share by Region (2018-2029)
Figure 7. World ARM based System on Modules Production Market Share by Region (2018-2029)
Figure 8. North America ARM based System on Modules Production (2018-2029) & (K Units)
Figure 9. Europe ARM based System on Modules Production (2018-2029) & (K Units)
Figure 10. China ARM based System on Modules Production (2018-2029) & (K Units)
Figure 11. India ARM based System on Modules Production (2018-2029) & (K Units)
Figure 12. ARM based System on Modules Market Drivers
Figure 13. Factors Affecting Demand
Figure 14. World ARM based System on Modules Consumption (2018-2029) & (K Units)
Figure 15. World ARM based System on Modules Consumption Market Share by Region (2018-2029)
Figure 16. United States ARM based System on Modules Consumption (2018-2029) & (K Units)
Figure 17. China ARM based System on Modules Consumption (2018-2029) & (K Units)
Figure 18. Europe ARM based System on Modules Consumption (2018-2029) & (K Units)
Figure 19. Japan ARM based System on Modules Consumption (2018-2029) & (K Units)
Figure 20. South Korea ARM based System on Modules Consumption (2018-2029) & (K Units)
Figure 21. ASEAN ARM based System on Modules Consumption (2018-2029) & (K Units)
Figure 22. India ARM based System on Modules Consumption (2018-2029) & (K Units)
Figure 23. Producer Shipments of ARM based System on Modules by Manufacturer

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Revenue ($MM) and Market Share (%): 2022
Figure 24. Global Four-firm Concentration Ratios (CR4) for ARM based System on Modules Markets in 2022
Figure 25. Global Four-firm Concentration Ratios (CR8) for ARM based System on Modules Markets in 2022
Figure 26. United States VS China: ARM based System on Modules Production Value Market Share Comparison (2018 & 2022 & 2029)
Figure 27. United States VS China: ARM based System on Modules Production Market Share Comparison (2018 & 2022 & 2029)
Figure 28. United States VS China: ARM based System on Modules Consumption Market Share Comparison (2018 & 2022 & 2029)
Figure 29. United States Based Manufacturers ARM based System on Modules Production Market Share 2022
Figure 30. China Based Manufacturers ARM based System on Modules Production Market Share 2022
Figure 31. Rest of World Based Manufacturers ARM based System on Modules Production Market Share 2022
Figure 32. World ARM based System on Modules Production Value by Standard, (USD Million), 2018 & 2022 & 2029
Figure 33. World ARM based System on Modules Production Value Market Share by Standard in 2022
Figure 34. Qseven Standard
Figure 35. SMARC Standard
Figure 36. COMExpress Standard
Figure 37. Others
Figure 38. World ARM based System on Modules Production Market Share by Standard (2018-2029)
Figure 39. World ARM based System on Modules Production Value Market Share by Standard (2018-2029)
Figure 40. World ARM based System on Modules Average Price by Standard (2018-2029) & (US$/Unit)
Figure 41. World ARM based System on Modules Production Value by Application, (USD Million), 2018 & 2022 & 2029
Figure 42. World ARM based System on Modules Production Value Market Share by Application in 2022
Figure 43. Industrial Automation
Figure 44. Automotive & Transport
Figure 45. Medical
Figure 46. Defense & Aerospace

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Figure 47. Communications
Figure 48. Others
Figure 49. World ARM based System on Modules Production Market Share by Application (2018-2029)
Figure 50. World ARM based System on Modules Production Value Market Share by Application (2018-2029)
Figure 51. World ARM based System on Modules Average Price by Application (2018-2029) & (US$/Unit)
Figure 52. ARM based System on Modules Industry Chain
Figure 53. ARM based System on Modules Procurement Model
Figure 54. ARM based System on Modules Sales Model
Figure 55. ARM based System on Modules Sales Channels, Direct Sales, and Distribution
Figure 56. Methodology
Figure 57. Research Process and Data Source

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