

# **Global AS-Interface Market by Component (AS-I Slave, AS-I Gateway, AS-I Power Supply, AS-I Cable), Application (Material Handling, Drive Control, Building Automation, Others), Industry (Food & Beverages, Chemicals, Paper, Water & Wastewater Treatment, Pharmaceuticals, Automotive, Others), and Regional Analysis, 2022-2029**

<https://marketpublishers.com/r/G6285B1B9891EN.html>

Date: February 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G6285B1B9891EN

## **Abstracts**

Global AS-Interface Market is valued at approximately USD 1074.33 million in 2021 and is anticipated to grow with a healthy growth rate of more than 4.5% over the forecast period 2022-2029. Actuator Sensor Interface, or AS-Interface is a bus system that connects all sensors and actuators at the lowest field level with the utmost convenience, control, and safety. This interface has the benefit of supporting simple engineering and is a cost-effective for setting up networks. The market growth is primarily driven by factors such as the rise in the adoption of process automation in the process industry, coupled with the simple, easy, and fast installation of an AS-interface system with a minimum number of cables.

Further, the flourishing demand for oil and gas is acting as a key driver for market growth. According to the Indian Brand Equity foundation in 2021, in India, the oil and gas demand is rising rapidly, and it is anticipated that the oil demand is likely to doubled and reach 11 million per day by 2045. Whereas, consumption of natural gas is projected to rise by 25 billion cubic meters with annual growth of around 9% by 2024. Thus, these aforementioned factors are expected to boost the demand for AS-interface in the global market. Moreover, the industry 4.0 revolution, as well as increasing adoption of safety at work of AS-interface are presenting various lucrative opportunities over the forecasting years. However, fluctuation in the price rates of oil and gas and lack of awareness

regarding the benefits of AS-Interface system is hindering the market growth during the estimated period.

The key regions considered for the Global AS-Interface Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. Asia-Pacific is the leading region across the world in terms of market share owing to the support of government and growing communication, as well as the development of automation and process industry infrastructure. Whereas, Europe is also anticipated to exhibit a significant growth rate over the forecast period. Factors such as the rising presence of industries including automobiles, electronics, pharmaceuticals, and chemicals would create lucrative growth prospects for the AS-Interface Market across Europe and other regions.

Major market player included in this report are:

Bihl+Wiedemann GmbH

Baumer Electric AG

Pepperl+Fuchs SE

Siemens AG

Valmet Oyj

ABB Ltd.

Emerson Electric Co.

IFM Electronic GmbH

Phoenix Contact GmbH & Co. Kg

Schneider Electric SE

Recent Developments in the Market:

In February 2019, Pepperl+Fuchs announced that the company had acquired Control Corporation Company- a driving mechanical Ethernet correspondence. Pepperl+Fuchs focuses on interfacing an innovation that integrates AS-Interface and extends Sensorik4.0 sensor arrangements through this security. As a result, Pepperl+Fuchs benefited as it offers effective customer support.

Global AS-Interface Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Component, Application, Industry, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

*Global AS-Interface Market by Component (AS-I Slave, AS-I Gateway, AS-I Power Supply, AS-I Cable), Application...*

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Components:

AS-I Gateway/Master

AS-I Slaves

AS-I Power Supply

AS-I Cables

By Application:

Material Handling

Drive Control

Building Automation

Others

By Industry:

Food & Beverages

Chemicals

Paper

Water & Wastewater Treatment

Pharmaceuticals

Automotive

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France  
Spain  
Italy  
ROE  
Asia Pacific  
China  
India  
Japan  
Australia  
South Korea  
RoAPAC  
Latin America  
Brazil  
Mexico  
RoLA  
Rest of the World

## Contents

### CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Million)
  - 1.2.1. AS-interface Market, by Region, 2019-2029 (USD Million)
  - 1.2.2. AS-interface Market, by Components, 2019-2029 (USD Million)
  - 1.2.3. AS-interface Market, by Application, 2019-2029 (USD Million)
  - 1.2.4. AS-interface Market, by Industry, 2019-2029 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### CHAPTER 2. GLOBAL AS-INTERFACE MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### CHAPTER 3. GLOBAL AS-INTERFACE MARKET DYNAMICS

- 3.1. AS-interface Market Impact Analysis (2019-2029)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Rise in adoption of process automation in process industry
    - 3.1.1.2. Flourishing demand of the oil and gas
  - 3.1.2. Market Challenges
    - 3.1.2.1. Fluctuation in the price rates of oil and gas
    - 3.1.2.2. Lack of awareness regarding the benefits of AS-Interface system
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Industry 4.0 revolution
    - 3.1.3.2. Increasing adoption of safety at work of AS-interface

### CHAPTER 4. GLOBAL AS-INTERFACE MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economical
  - 4.3.3. Social
  - 4.3.4. Technological
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. Industry Experts Prospective
- 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT**

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

## **CHAPTER 6. GLOBAL AS-INTERFACE MARKET, BY COMPONENTS**

- 6.1. Market Snapshot
- 6.2. Global AS-interface Market by Components, Performance - Potential Analysis
- 6.3. Global AS-interface Market Estimates & Forecasts by Components 2019-2029 (USD Million)
- 6.4. AS-interface Market, Sub Segment Analysis
  - 6.4.1. AS-I Gateway/Master
  - 6.4.2. AS-I Slaves
  - 6.4.3. AS-I Power Supply
  - 6.4.4. AS-I Cables

## **CHAPTER 7. GLOBAL AS-INTERFACE MARKET, BY APPLICATION**

- 7.1. Market Snapshot
- 7.2. Global AS-interface Market by Application, Performance - Potential Analysis
- 7.3. Global AS-interface Market Estimates & Forecasts by Application 2019-2029 (USD Million)

#### 7.4. AS-interface Market, Sub Segment Analysis

- 7.4.1. Material Handling
- 7.4.2. Drive Control
- 7.4.3. Building Automation
- 7.4.4. Others

### **CHAPTER 8. GLOBAL AS-INTERFACE MARKET, BY INDUSTRY**

#### 8.1. Market Snapshot

#### 8.2. Global AS-interface Market by Industry, Performance - Potential Analysis

#### 8.3. Global AS-interface Market Estimates & Forecasts by Industry 2019-2029 (USD Million)

#### 8.4. AS-interface Market, Sub Segment Analysis

- 8.4.1. Food & Beverages
- 8.4.2. Chemicals
- 8.4.3. Paper
- 8.4.4. Water & Wastewater Treatment
- 8.4.5. Pharmaceuticals
- 8.4.6. Automotive
- 8.4.7. Others

### **CHAPTER 9. GLOBAL AS-INTERFACE MARKET, REGIONAL ANALYSIS**

#### 9.1. AS-interface Market, Regional Market Snapshot

#### 9.2. North America AS-interface Market

##### 9.2.1. U.S. AS-interface Market

###### 9.2.1.1. Components breakdown estimates & forecasts, 2019-2029

###### 9.2.1.2. Application breakdown estimates & forecasts, 2019-2029

###### 9.2.1.3. Industry breakdown estimates & forecasts, 2019-2029

##### 9.2.2. Canada AS-interface Market

#### 9.3. Europe AS-interface Market Snapshot

##### 9.3.1. U.K. AS-interface Market

##### 9.3.2. Germany AS-interface Market

##### 9.3.3. France AS-interface Market

##### 9.3.4. Spain AS-interface Market

##### 9.3.5. Italy AS-interface Market

##### 9.3.6. Rest of Europe AS-interface Market

#### 9.4. Asia-Pacific AS-interface Market Snapshot

##### 9.4.1. China AS-interface Market

- 9.4.2. India AS-interface Market
- 9.4.3. Japan AS-interface Market
- 9.4.4. Australia AS-interface Market
- 9.4.5. South Korea AS-interface Market
- 9.4.6. Rest of Asia Pacific AS-interface Market
- 9.5. Latin America AS-interface Market Snapshot
  - 9.5.1. Brazil AS-interface Market
  - 9.5.2. Mexico AS-interface Market
  - 9.5.3. Rest of Latin America AS-interface Market
- 9.6. Rest of The World AS-interface Market

## **CHAPTER 10. COMPETITIVE INTELLIGENCE**

- 10.1. Top Market Strategies
- 10.2. Company Profiles
  - 10.2.1. Bihl+Wiedemann GmbH
    - 10.2.1.1. Key Information
    - 10.2.1.2. Overview
    - 10.2.1.3. Financial (Subject to Data Availability)
    - 10.2.1.4. Product Summary
    - 10.2.1.5. Recent Developments
  - 10.2.2. Baumer Electric AG
  - 10.2.3. Pepperl+Fuchs SE
  - 10.2.4. Siemens AG
  - 10.2.5. Valmet Oyj
  - 10.2.6. ABB Ltd.
  - 10.2.7. Emerson Electric Co.
  - 10.2.8. IFM Electronic GmbH
  - 10.2.9. Phoenix Contact GmbH & Co. Kg
  - 10.2.10. Schneider Electric SE

## **CHAPTER 11. RESEARCH PROCESS**

- 11.1. Research Process
  - 11.1.1. Data Mining
  - 11.1.2. Analysis
  - 11.1.3. Market Estimation
  - 11.1.4. Validation
  - 11.1.5. Publishing



11.2. Research Attributes

11.3. Research Assumption

## List Of Tables

### LIST OF TABLES

TABLE 1. Global AS-interface Market, report scope

TABLE 2. Global AS-interface Market estimates & forecasts by Region 2019-2029 (USD Million)

TABLE 3. Global AS-interface Market estimates & forecasts by Components 2019-2029 (USD Million)

TABLE 4. Global AS-interface Market estimates & forecasts by Application 2019-2029 (USD Million)

TABLE 5. Global AS-interface Market estimates & forecasts by Industry 2019-2029 (USD Million)

TABLE 6. Global AS-interface Market by segment, estimates & forecasts, 2019-2029 (USD Million)

TABLE 7. Global AS-interface Market by region, estimates & forecasts, 2019-2029 (USD Million)

TABLE 8. Global AS-interface Market by segment, estimates & forecasts, 2019-2029 (USD Million)

TABLE 9. Global AS-interface Market by region, estimates & forecasts, 2019-2029 (USD Million)

TABLE 10. Global AS-interface Market by segment, estimates & forecasts, 2019-2029 (USD Million)

TABLE 11. Global AS-interface Market by region, estimates & forecasts, 2019-2029 (USD Million)

TABLE 12. Global AS-interface Market by segment, estimates & forecasts, 2019-2029 (USD Million)

TABLE 13. Global AS-interface Market by region, estimates & forecasts, 2019-2029 (USD Million)

TABLE 14. Global AS-interface Market by segment, estimates & forecasts, 2019-2029 (USD Million)

TABLE 15. Global AS-interface Market by region, estimates & forecasts, 2019-2029 (USD Million)

TABLE 16. U.S. AS-interface Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 17. U.S. AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 18. U.S. AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 19. Canada AS-interface Market estimates & forecasts, 2019-2029 (USD

Million)

TABLE 20. Canada AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 21. Canada AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 22. UK AS-interface Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 23. UK AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 24. UK AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 25. Germany AS-interface Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 26. Germany AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 27. Germany AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 28. France AS-interface Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 29. France AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 30. France AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 31. Italy AS-interface Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 32. Italy AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 33. Italy AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 34. Spain AS-interface Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 35. Spain AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 36. Spain AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 37. RoE AS-interface Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 38. RoE AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 39. RoE AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 40. China AS-interface Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 41. China AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 42. China AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 43. India AS-interface Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 44. India AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 45. India AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 46. Japan AS-interface Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 47. Japan AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 48. Japan AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 49. South Korea AS-interface Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 50. South Korea AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 51. South Korea AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 52. Australia AS-interface Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 53. Australia AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 54. Australia AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 55. RoAPAC AS-interface Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 56. RoAPAC AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 57. RoAPAC AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 58. Brazil AS-interface Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 59. Brazil AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 60. Brazil AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 61. Mexico AS-interface Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 62. Mexico AS-interface Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 63. Mexico AS-interface Market estimates & forecasts by segment 2019-2029

(USD Million)

TABLE 64. RoLA AS-interface Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 65. RoLA AS-interface Market estimates & forecasts by segment 2019-2029  
(USD Million)

TABLE 66. RoLA AS-interface Market estimates & forecasts by segment 2019-2029  
(USD Million)

TABLE 67. Row AS-interface Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 68. Row AS-interface Market estimates & forecasts by segment 2019-2029  
(USD Million)

TABLE 69. Row AS-interface Market estimates & forecasts by segment 2019-2029  
(USD Million)

TABLE 70. List of secondary sources, used in the study of global AS-interface Market

TABLE 71. List of primary sources, used in the study of global AS-interface Market

TABLE 72. Years considered for the study

TABLE 73. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final  
deliverable

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global AS-interface Market, research methodology
  - FIG 2. Global AS-interface Market, Market estimation techniques
  - FIG 3. Global Market size estimates & forecast methods
  - FIG 4. Global AS-interface Market, key trends 2021
  - FIG 5. Global AS-interface Market, growth prospects 2022-2029
  - FIG 6. Global AS-interface Market, porters 5 force model
  - FIG 7. Global AS-interface Market, pest analysis
  - FIG 8. Global AS-interface Market, value chain analysis
  - FIG 9. Global AS-interface Market by segment, 2019 & 2029 (USD Million)
  - FIG 10. Global AS-interface Market by segment, 2019 & 2029 (USD Million)
  - FIG 11. Global AS-interface Market by segment, 2019 & 2029 (USD Million)
  - FIG 12. Global AS-interface Market by segment, 2019 & 2029 (USD Million)
  - FIG 13. Global AS-interface Market by segment, 2019 & 2029 (USD Million)
  - FIG 14. Global AS-interface Market, regional snapshot 2019 & 2029
  - FIG 15. North America AS-interface Market 2019 & 2029 (USD Million)
  - FIG 16. Europe AS-interface Market 2019 & 2029 (USD Million)
  - FIG 17. Asia pacific AS-interface Market 2019 & 2029 (USD Million)
  - FIG 18. Latin America AS-interface Market 2019 & 2029 (USD Million)
  - FIG 19. Global AS-interface Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## I would like to order

Product name: Global AS-Interface Market by Component (AS-I Slave, AS-I Gateway, AS-I Power Supply, AS-I Cable), Application (Material Handling, Drive Control, Building Automation, Others), Industry (Food & Beverages, Chemicals, Paper, Water & Wastewater Treatment, Pharmaceuticals, Automotive, Others), and Regional Analysis, 2022-2029

Product link: <https://marketpublishers.com/r/G6285B1B9891EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G6285B1B9891EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970