

Global EtherCAT Communication Module Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global EtherCAT Communication Module market size was valued at US\$ 2112 million in 2025 and is forecast to a readjusted size of US\$ 4114 million by 2032 with a CAGR of 10.0% during review period.

An EtherCAT Communication Module is a modular hardware component designed to facilitate high-speed data transfer and device connectivity within an EtherCAT network. It manages the exchange of real-time control data between the master controller and slave devices, ensuring low-latency, high-precision, and reliable signal transmission in industrial automation systems. The module typically integrates Ethernet interfaces, processors, and protocol handling functions and can connect to control systems via slots or bus interfaces. In 2025, global EtherCAT communication module production reached approximately 1.14 M units, with an average global market price of around US\$ 1,800 per unit. Annual production capacity is approximately 1.2 M units. Gross Profit Margin: 35%. The EtherCAT communication module is a key component in the industrial automation supply chain. Upstream, it relies on semiconductor chips, industrial-grade Ethernet controllers, PCBs, and connectors. Midstream, manufacturers like Beckhoff, Siemens, and Omron integrate these components into EtherCAT modules, providing both master and slave units. Downstream, these modules are widely used in factory automation, robotics, CNC machines, process control, and smart manufacturing systems, enabling real-time, low-latency communication between controllers and devices. The growth of Industry 4.0 and industrial IoT is driving higher demand for these modules, making them a critical part of modern industrial infrastructure. EtherCAT communication modules are not only technologically sophisticated but also strategically important for automation companies. Their high-speed, deterministic communication

capability allows precise coordination of machines, which is essential for advanced robotics and multi-axis motion control. Given the rising trend of smart factories and automation in emerging markets, investing in or developing EtherCAT-compatible solutions offers long-term value. Companies that can innovate in module integration, robustness, and cost-effectiveness are likely to gain a competitive edge in the industrial automation market.

This report is a detailed and comprehensive analysis for global EtherCAT Communication Module market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Interface Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global EtherCAT Communication Module market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (K US\$/Unit), 2021-2032

Global EtherCAT Communication Module market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (K US\$/Unit), 2021-2032

Global EtherCAT Communication Module market size and forecasts, by Interface Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (K US\$/Unit), 2021-2032

Global EtherCAT Communication Module market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (K US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for EtherCAT Communication Module

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global EtherCAT Communication Module market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Beckhoff Automation GmbH & Co. KG, Siemens AG, OMRON Corporation, Rockwell Automation, Inc., Schneider Electric SE, Bosch Rexroth AG, Mitsubishi Electric Corporation, Yaskawa Electric Corporation, ABB Ltd., Advantech Co., Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

EtherCAT Communication Module market is split by Interface Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Interface Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Interface Type

Fiber Optic Interface Module

Copper Ethernet Interface Module

Wireless Interface Module

Market segment by Functional Purpose

Master Communication Module

Slave Communication Module

Gateway Communication Module

Market segment by Mounting Type

Plug-in Module

DIN Rail Mounted Module

Panel Mounted Module

Market segment by Application

Industrial Automation

Network Communication

Others

Major players covered

Beckhoff Automation GmbH & Co. KG

Siemens AG

OMRON Corporation

Rockwell Automation, Inc.

Schneider Electric SE

Bosch Rexroth AG

Mitsubishi Electric Corporation

Yaskawa Electric Corporation

ABB Ltd.

Advantech Co., Ltd.

National Instruments Corporation

SICK AG

Baumer Holding AG

Lenze SE

Festo AG & Co. KG

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe EtherCAT Communication Module product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of EtherCAT Communication Module, with price, sales quantity, revenue, and global market share of EtherCAT Communication Module from 2021 to 2026.

Chapter 3, the EtherCAT Communication Module competitive situation, sales quantity,

revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the EtherCAT Communication Module breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Interface Type and by Application, with sales market share and growth rate by Interface Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and EtherCAT Communication Module market forecast, by regions, by Interface Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of EtherCAT Communication Module.

Chapter 14 and 15, to describe EtherCAT Communication Module sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Interface Type
 - 1.3.1 Overview: Global EtherCAT Communication Module Consumption Value by Interface Type: 2021 Versus 2025 Versus 2032
 - 1.3.2 Fiber Optic Interface Module
 - 1.3.3 Copper Ethernet Interface Module
 - 1.3.4 Wireless Interface Module
- 1.4 Market Analysis by Functional Purpose
 - 1.4.1 Overview: Global EtherCAT Communication Module Consumption Value by Functional Purpose: 2021 Versus 2025 Versus 2032
 - 1.4.2 Master Communication Module
 - 1.4.3 Slave Communication Module
 - 1.4.4 Gateway Communication Module
- 1.5 Market Analysis by Mounting Type
 - 1.5.1 Overview: Global EtherCAT Communication Module Consumption Value by Mounting Type: 2021 Versus 2025 Versus 2032
 - 1.5.2 Plug-in Module
 - 1.5.3 DIN Rail Mounted Module
 - 1.5.4 Panel Mounted Module
- 1.6 Market Analysis by Application
 - 1.6.1 Overview: Global EtherCAT Communication Module Consumption Value by Application: 2021 Versus 2025 Versus 2032
 - 1.6.2 Industrial Automation
 - 1.6.3 Network Communication
 - 1.6.4 Others
- 1.7 Global EtherCAT Communication Module Market Size & Forecast
 - 1.7.1 Global EtherCAT Communication Module Consumption Value (2021 & 2025 & 2032)
 - 1.7.2 Global EtherCAT Communication Module Sales Quantity (2021-2032)
 - 1.7.3 Global EtherCAT Communication Module Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Beckhoff Automation GmbH & Co. KG

- 2.1.1 Beckhoff Automation GmbH & Co. KG Details
- 2.1.2 Beckhoff Automation GmbH & Co. KG Major Business
- 2.1.3 Beckhoff Automation GmbH & Co. KG EtherCAT Communication Module Product and Services
- 2.1.4 Beckhoff Automation GmbH & Co. KG EtherCAT Communication Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.1.5 Beckhoff Automation GmbH & Co. KG Recent Developments/Updates
- 2.2 Siemens AG
 - 2.2.1 Siemens AG Details
 - 2.2.2 Siemens AG Major Business
 - 2.2.3 Siemens AG EtherCAT Communication Module Product and Services
 - 2.2.4 Siemens AG EtherCAT Communication Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.2.5 Siemens AG Recent Developments/Updates
- 2.3 OMRON Corporation
 - 2.3.1 OMRON Corporation Details
 - 2.3.2 OMRON Corporation Major Business
 - 2.3.3 OMRON Corporation EtherCAT Communication Module Product and Services
 - 2.3.4 OMRON Corporation EtherCAT Communication Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.3.5 OMRON Corporation Recent Developments/Updates
- 2.4 Rockwell Automation, Inc.
 - 2.4.1 Rockwell Automation, Inc. Details
 - 2.4.2 Rockwell Automation, Inc. Major Business
 - 2.4.3 Rockwell Automation, Inc. EtherCAT Communication Module Product and Services
 - 2.4.4 Rockwell Automation, Inc. EtherCAT Communication Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.4.5 Rockwell Automation, Inc. Recent Developments/Updates
- 2.5 Schneider Electric SE
 - 2.5.1 Schneider Electric SE Details
 - 2.5.2 Schneider Electric SE Major Business
 - 2.5.3 Schneider Electric SE EtherCAT Communication Module Product and Services
 - 2.5.4 Schneider Electric SE EtherCAT Communication Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.5.5 Schneider Electric SE Recent Developments/Updates
- 2.6 Bosch Rexroth AG
 - 2.6.1 Bosch Rexroth AG Details
 - 2.6.2 Bosch Rexroth AG Major Business

- 2.6.3 Bosch Rexroth AG EtherCAT Communication Module Product and Services
- 2.6.4 Bosch Rexroth AG EtherCAT Communication Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.6.5 Bosch Rexroth AG Recent Developments/Updates
- 2.7 Mitsubishi Electric Corporation
 - 2.7.1 Mitsubishi Electric Corporation Details
 - 2.7.2 Mitsubishi Electric Corporation Major Business
 - 2.7.3 Mitsubishi Electric Corporation EtherCAT Communication Module Product and Services
 - 2.7.4 Mitsubishi Electric Corporation EtherCAT Communication Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.7.5 Mitsubishi Electric Corporation Recent Developments/Updates
- 2.8 Yaskawa Electric Corporation
 - 2.8.1 Yaskawa Electric Corporation Details
 - 2.8.2 Yaskawa Electric Corporation Major Business
 - 2.8.3 Yaskawa Electric Corporation EtherCAT Communication Module Product and Services
 - 2.8.4 Yaskawa Electric Corporation EtherCAT Communication Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.8.5 Yaskawa Electric Corporation Recent Developments/Updates
- 2.9 ABB Ltd.
 - 2.9.1 ABB Ltd. Details
 - 2.9.2 ABB Ltd. Major Business
 - 2.9.3 ABB Ltd. EtherCAT Communication Module Product and Services
 - 2.9.4 ABB Ltd. EtherCAT Communication Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.9.5 ABB Ltd. Recent Developments/Updates
- 2.10 Advantech Co., Ltd.
 - 2.10.1 Advantech Co., Ltd. Details
 - 2.10.2 Advantech Co., Ltd. Major Business
 - 2.10.3 Advantech Co., Ltd. EtherCAT Communication Module Product and Services
 - 2.10.4 Advantech Co., Ltd. EtherCAT Communication Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.10.5 Advantech Co., Ltd. Recent Developments/Updates
- 2.11 National Instruments Corporation
 - 2.11.1 National Instruments Corporation Details
 - 2.11.2 National Instruments Corporation Major Business
 - 2.11.3 National Instruments Corporation EtherCAT Communication Module Product and Services

2.11.4 National Instruments Corporation EtherCAT Communication Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.11.5 National Instruments Corporation Recent Developments/Updates

2.12 SICK AG

2.12.1 SICK AG Details

2.12.2 SICK AG Major Business

2.12.3 SICK AG EtherCAT Communication Module Product and Services

2.12.4 SICK AG EtherCAT Communication Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.12.5 SICK AG Recent Developments/Updates

2.13 Baumer Holding AG

2.13.1 Baumer Holding AG Details

2.13.2 Baumer Holding AG Major Business

2.13.3 Baumer Holding AG EtherCAT Communication Module Product and Services

2.13.4 Baumer Holding AG EtherCAT Communication Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.13.5 Baumer Holding AG Recent Developments/Updates

2.14 Lenze SE

2.14.1 Lenze SE Details

2.14.2 Lenze SE Major Business

2.14.3 Lenze SE EtherCAT Communication Module Product and Services

2.14.4 Lenze SE EtherCAT Communication Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.14.5 Lenze SE Recent Developments/Updates

2.15 Festo AG & Co. KG

2.15.1 Festo AG & Co. KG Details

2.15.2 Festo AG & Co. KG Major Business

2.15.3 Festo AG & Co. KG EtherCAT Communication Module Product and Services

2.15.4 Festo AG & Co. KG EtherCAT Communication Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.15.5 Festo AG & Co. KG Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: ETHERCAT COMMUNICATION MODULE BY MANUFACTURER

3.1 Global EtherCAT Communication Module Sales Quantity by Manufacturer (2021-2026)

3.2 Global EtherCAT Communication Module Revenue by Manufacturer (2021-2026)

3.3 Global EtherCAT Communication Module Average Price by Manufacturer

(2021-2026)

3.4 Market Share Analysis (2025)

3.4.1 Producer Shipments of EtherCAT Communication Module by Manufacturer Revenue (\$MM) and Market Share (%): 2025

3.4.2 Top 3 EtherCAT Communication Module Manufacturer Market Share in 2025

3.4.3 Top 6 EtherCAT Communication Module Manufacturer Market Share in 2025

3.5 EtherCAT Communication Module Market: Overall Company Footprint Analysis

3.5.1 EtherCAT Communication Module Market: Region Footprint

3.5.2 EtherCAT Communication Module Market: Company Product Type Footprint

3.5.3 EtherCAT Communication Module Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global EtherCAT Communication Module Market Size by Region

4.1.1 Global EtherCAT Communication Module Sales Quantity by Region (2021-2032)

4.1.2 Global EtherCAT Communication Module Consumption Value by Region (2021-2032)

4.1.3 Global EtherCAT Communication Module Average Price by Region (2021-2032)

4.2 North America EtherCAT Communication Module Consumption Value (2021-2032)

4.3 Europe EtherCAT Communication Module Consumption Value (2021-2032)

4.4 Asia-Pacific EtherCAT Communication Module Consumption Value (2021-2032)

4.5 South America EtherCAT Communication Module Consumption Value (2021-2032)

4.6 Middle East & Africa EtherCAT Communication Module Consumption Value (2021-2032)

5 MARKET SEGMENT BY INTERFACE TYPE

5.1 Global EtherCAT Communication Module Sales Quantity by Interface Type (2021-2032)

5.2 Global EtherCAT Communication Module Consumption Value by Interface Type (2021-2032)

5.3 Global EtherCAT Communication Module Average Price by Interface Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

6.1 Global EtherCAT Communication Module Sales Quantity by Application
(2021-2032)

6.2 Global EtherCAT Communication Module Consumption Value by Application
(2021-2032)

6.3 Global EtherCAT Communication Module Average Price by Application (2021-2032)

7 NORTH AMERICA

7.1 North America EtherCAT Communication Module Sales Quantity by Interface Type
(2021-2032)

7.2 North America EtherCAT Communication Module Sales Quantity by Application
(2021-2032)

7.3 North America EtherCAT Communication Module Market Size by Country

7.3.1 North America EtherCAT Communication Module Sales Quantity by Country
(2021-2032)

7.3.2 North America EtherCAT Communication Module Consumption Value by
Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe EtherCAT Communication Module Sales Quantity by Interface Type
(2021-2032)

8.2 Europe EtherCAT Communication Module Sales Quantity by Application
(2021-2032)

8.3 Europe EtherCAT Communication Module Market Size by Country

8.3.1 Europe EtherCAT Communication Module Sales Quantity by Country
(2021-2032)

8.3.2 Europe EtherCAT Communication Module Consumption Value by Country
(2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific EtherCAT Communication Module Sales Quantity by Interface Type (2021-2032)

9.2 Asia-Pacific EtherCAT Communication Module Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific EtherCAT Communication Module Market Size by Region

9.3.1 Asia-Pacific EtherCAT Communication Module Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific EtherCAT Communication Module Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

9.3.6 India Market Size and Forecast (2021-2032)

9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America EtherCAT Communication Module Sales Quantity by Interface Type (2021-2032)

10.2 South America EtherCAT Communication Module Sales Quantity by Application (2021-2032)

10.3 South America EtherCAT Communication Module Market Size by Country

10.3.1 South America EtherCAT Communication Module Sales Quantity by Country (2021-2032)

10.3.2 South America EtherCAT Communication Module Consumption Value by Country (2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa EtherCAT Communication Module Sales Quantity by Interface Type (2021-2032)

11.2 Middle East & Africa EtherCAT Communication Module Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa EtherCAT Communication Module Market Size by Country

11.3.1 Middle East & Africa EtherCAT Communication Module Sales Quantity by

Country (2021-2032)

11.3.2 Middle East & Africa EtherCAT Communication Module Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 EtherCAT Communication Module Market Drivers

12.2 EtherCAT Communication Module Market Restraints

12.3 EtherCAT Communication Module Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of EtherCAT Communication Module and Key Manufacturers

13.2 Manufacturing Costs Percentage of EtherCAT Communication Module

13.3 EtherCAT Communication Module Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 EtherCAT Communication Module Typical Distributors

14.3 EtherCAT Communication Module Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global EtherCAT Communication Module Consumption Value by Interface Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global EtherCAT Communication Module Consumption Value by Functional Purpose, (USD Million), 2021 & 2025 & 2032

Table 3. Global EtherCAT Communication Module Consumption Value by Mounting Type, (USD Million), 2021 & 2025 & 2032

Table 4. Global EtherCAT Communication Module Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Beckhoff Automation GmbH & Co. KG Basic Information, Manufacturing Base and Competitors

Table 6. Beckhoff Automation GmbH & Co. KG Major Business

Table 7. Beckhoff Automation GmbH & Co. KG EtherCAT Communication Module Product and Services

Table 8. Beckhoff Automation GmbH & Co. KG EtherCAT Communication Module Sales Quantity (K Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Beckhoff Automation GmbH & Co. KG Recent Developments/Updates

Table 10. Siemens AG Basic Information, Manufacturing Base and Competitors

Table 11. Siemens AG Major Business

Table 12. Siemens AG EtherCAT Communication Module Product and Services

Table 13. Siemens AG EtherCAT Communication Module Sales Quantity (K Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. Siemens AG Recent Developments/Updates

Table 15. OMRON Corporation Basic Information, Manufacturing Base and Competitors

Table 16. OMRON Corporation Major Business

Table 17. OMRON Corporation EtherCAT Communication Module Product and Services

Table 18. OMRON Corporation EtherCAT Communication Module Sales Quantity (K Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. OMRON Corporation Recent Developments/Updates

Table 20. Rockwell Automation, Inc. Basic Information, Manufacturing Base and Competitors

Table 21. Rockwell Automation, Inc. Major Business

Table 22. Rockwell Automation, Inc. EtherCAT Communication Module Product and Services

Table 23. Rockwell Automation, Inc. EtherCAT Communication Module Sales Quantity (K Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. Rockwell Automation, Inc. Recent Developments/Updates

Table 25. Schneider Electric SE Basic Information, Manufacturing Base and Competitors

Table 26. Schneider Electric SE Major Business

Table 27. Schneider Electric SE EtherCAT Communication Module Product and Services

Table 28. Schneider Electric SE EtherCAT Communication Module Sales Quantity (K Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. Schneider Electric SE Recent Developments/Updates

Table 30. Bosch Rexroth AG Basic Information, Manufacturing Base and Competitors

Table 31. Bosch Rexroth AG Major Business

Table 32. Bosch Rexroth AG EtherCAT Communication Module Product and Services

Table 33. Bosch Rexroth AG EtherCAT Communication Module Sales Quantity (K Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. Bosch Rexroth AG Recent Developments/Updates

Table 35. Mitsubishi Electric Corporation Basic Information, Manufacturing Base and Competitors

Table 36. Mitsubishi Electric Corporation Major Business

Table 37. Mitsubishi Electric Corporation EtherCAT Communication Module Product and Services

Table 38. Mitsubishi Electric Corporation EtherCAT Communication Module Sales Quantity (K Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 39. Mitsubishi Electric Corporation Recent Developments/Updates

Table 40. Yaskawa Electric Corporation Basic Information, Manufacturing Base and Competitors

Table 41. Yaskawa Electric Corporation Major Business

Table 42. Yaskawa Electric Corporation EtherCAT Communication Module Product and Services

Table 43. Yaskawa Electric Corporation EtherCAT Communication Module Sales Quantity (K Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

- Table 44. Yaskawa Electric Corporation Recent Developments/Updates
- Table 45. ABB Ltd. Basic Information, Manufacturing Base and Competitors
- Table 46. ABB Ltd. Major Business
- Table 47. ABB Ltd. EtherCAT Communication Module Product and Services
- Table 48. ABB Ltd. EtherCAT Communication Module Sales Quantity (K Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 49. ABB Ltd. Recent Developments/Updates
- Table 50. Advantech Co., Ltd. Basic Information, Manufacturing Base and Competitors
- Table 51. Advantech Co., Ltd. Major Business
- Table 52. Advantech Co., Ltd. EtherCAT Communication Module Product and Services
- Table 53. Advantech Co., Ltd. EtherCAT Communication Module Sales Quantity (K Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 54. Advantech Co., Ltd. Recent Developments/Updates
- Table 55. National Instruments Corporation Basic Information, Manufacturing Base and Competitors
- Table 56. National Instruments Corporation Major Business
- Table 57. National Instruments Corporation EtherCAT Communication Module Product and Services
- Table 58. National Instruments Corporation EtherCAT Communication Module Sales Quantity (K Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 59. National Instruments Corporation Recent Developments/Updates
- Table 60. SICK AG Basic Information, Manufacturing Base and Competitors
- Table 61. SICK AG Major Business
- Table 62. SICK AG EtherCAT Communication Module Product and Services
- Table 63. SICK AG EtherCAT Communication Module Sales Quantity (K Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 64. SICK AG Recent Developments/Updates
- Table 65. Baumer Holding AG Basic Information, Manufacturing Base and Competitors
- Table 66. Baumer Holding AG Major Business
- Table 67. Baumer Holding AG EtherCAT Communication Module Product and Services
- Table 68. Baumer Holding AG EtherCAT Communication Module Sales Quantity (K Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 69. Baumer Holding AG Recent Developments/Updates
- Table 70. Lenze SE Basic Information, Manufacturing Base and Competitors

Table 71. Lenze SE Major Business

Table 72. Lenze SE EtherCAT Communication Module Product and Services

Table 73. Lenze SE EtherCAT Communication Module Sales Quantity (K Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 74. Lenze SE Recent Developments/Updates

Table 75. Festo AG & Co. KG Basic Information, Manufacturing Base and Competitors

Table 76. Festo AG & Co. KG Major Business

Table 77. Festo AG & Co. KG EtherCAT Communication Module Product and Services

Table 78. Festo AG & Co. KG EtherCAT Communication Module Sales Quantity (K Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Festo AG & Co. KG Recent Developments/Updates

Table 80. Global EtherCAT Communication Module Sales Quantity by Manufacturer (2021-2026) & (K Units)

Table 81. Global EtherCAT Communication Module Revenue by Manufacturer (2021-2026) & (USD Million)

Table 82. Global EtherCAT Communication Module Average Price by Manufacturer (2021-2026) & (K US\$/Unit)

Table 83. Market Position of Manufacturers in EtherCAT Communication Module, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 84. Head Office and EtherCAT Communication Module Production Site of Key Manufacturer

Table 85. EtherCAT Communication Module Market: Company Product Type Footprint

Table 86. EtherCAT Communication Module Market: Company Product Application Footprint

Table 87. EtherCAT Communication Module New Market Entrants and Barriers to Market Entry

Table 88. EtherCAT Communication Module Mergers, Acquisition, Agreements, and Collaborations

Table 89. Global EtherCAT Communication Module Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 90. Global EtherCAT Communication Module Sales Quantity by Region (2021-2026) & (K Units)

Table 91. Global EtherCAT Communication Module Sales Quantity by Region (2027-2032) & (K Units)

Table 92. Global EtherCAT Communication Module Consumption Value by Region (2021-2026) & (USD Million)

Table 93. Global EtherCAT Communication Module Consumption Value by Region

(2027-2032) & (USD Million)

Table 94. Global EtherCAT Communication Module Average Price by Region (2021-2026) & (K US\$/Unit)

Table 95. Global EtherCAT Communication Module Average Price by Region (2027-2032) & (K US\$/Unit)

Table 96. Global EtherCAT Communication Module Sales Quantity by Interface Type (2021-2026) & (K Units)

Table 97. Global EtherCAT Communication Module Sales Quantity by Interface Type (2027-2032) & (K Units)

Table 98. Global EtherCAT Communication Module Consumption Value by Interface Type (2021-2026) & (USD Million)

Table 99. Global EtherCAT Communication Module Consumption Value by Interface Type (2027-2032) & (USD Million)

Table 100. Global EtherCAT Communication Module Average Price by Interface Type (2021-2026) & (K US\$/Unit)

Table 101. Global EtherCAT Communication Module Average Price by Interface Type (2027-2032) & (K US\$/Unit)

Table 102. Global EtherCAT Communication Module Sales Quantity by Application (2021-2026) & (K Units)

Table 103. Global EtherCAT Communication Module Sales Quantity by Application (2027-2032) & (K Units)

Table 104. Global EtherCAT Communication Module Consumption Value by Application (2021-2026) & (USD Million)

Table 105. Global EtherCAT Communication Module Consumption Value by Application (2027-2032) & (USD Million)

Table 106. Global EtherCAT Communication Module Average Price by Application (2021-2026) & (K US\$/Unit)

Table 107. Global EtherCAT Communication Module Average Price by Application (2027-2032) & (K US\$/Unit)

Table 108. North America EtherCAT Communication Module Sales Quantity by Interface Type (2021-2026) & (K Units)

Table 109. North America EtherCAT Communication Module Sales Quantity by Interface Type (2027-2032) & (K Units)

Table 110. North America EtherCAT Communication Module Sales Quantity by Application (2021-2026) & (K Units)

Table 111. North America EtherCAT Communication Module Sales Quantity by Application (2027-2032) & (K Units)

Table 112. North America EtherCAT Communication Module Sales Quantity by Country (2021-2026) & (K Units)

Table 113. North America EtherCAT Communication Module Sales Quantity by Country (2027-2032) & (K Units)

Table 114. North America EtherCAT Communication Module Consumption Value by Country (2021-2026) & (USD Million)

Table 115. North America EtherCAT Communication Module Consumption Value by Country (2027-2032) & (USD Million)

Table 116. Europe EtherCAT Communication Module Sales Quantity by Interface Type (2021-2026) & (K Units)

Table 117. Europe EtherCAT Communication Module Sales Quantity by Interface Type (2027-2032) & (K Units)

Table 118. Europe EtherCAT Communication Module Sales Quantity by Application (2021-2026) & (K Units)

Table 119. Europe EtherCAT Communication Module Sales Quantity by Application (2027-2032) & (K Units)

Table 120. Europe EtherCAT Communication Module Sales Quantity by Country (2021-2026) & (K Units)

Table 121. Europe EtherCAT Communication Module Sales Quantity by Country (2027-2032) & (K Units)

Table 122. Europe EtherCAT Communication Module Consumption Value by Country (2021-2026) & (USD Million)

Table 123. Europe EtherCAT Communication Module Consumption Value by Country (2027-2032) & (USD Million)

Table 124. Asia-Pacific EtherCAT Communication Module Sales Quantity by Interface Type (2021-2026) & (K Units)

Table 125. Asia-Pacific EtherCAT Communication Module Sales Quantity by Interface Type (2027-2032) & (K Units)

Table 126. Asia-Pacific EtherCAT Communication Module Sales Quantity by Application (2021-2026) & (K Units)

Table 127. Asia-Pacific EtherCAT Communication Module Sales Quantity by Application (2027-2032) & (K Units)

Table 128. Asia-Pacific EtherCAT Communication Module Sales Quantity by Region (2021-2026) & (K Units)

Table 129. Asia-Pacific EtherCAT Communication Module Sales Quantity by Region (2027-2032) & (K Units)

Table 130. Asia-Pacific EtherCAT Communication Module Consumption Value by Region (2021-2026) & (USD Million)

Table 131. Asia-Pacific EtherCAT Communication Module Consumption Value by Region (2027-2032) & (USD Million)

Table 132. South America EtherCAT Communication Module Sales Quantity by

Interface Type (2021-2026) & (K Units)

Table 133. South America EtherCAT Communication Module Sales Quantity by Interface Type (2027-2032) & (K Units)

Table 134. South America EtherCAT Communication Module Sales Quantity by Application (2021-2026) & (K Units)

Table 135. South America EtherCAT Communication Module Sales Quantity by Application (2027-2032) & (K Units)

Table 136. South America EtherCAT Communication Module Sales Quantity by Country (2021-2026) & (K Units)

Table 137. South America EtherCAT Communication Module Sales Quantity by Country (2027-2032) & (K Units)

Table 138. South America EtherCAT Communication Module Consumption Value by Country (2021-2026) & (USD Million)

Table 139. South America EtherCAT Communication Module Consumption Value by Country (2027-2032) & (USD Million)

Table 140. Middle East & Africa EtherCAT Communication Module Sales Quantity by Interface Type (2021-2026) & (K Units)

Table 141. Middle East & Africa EtherCAT Communication Module Sales Quantity by Interface Type (2027-2032) & (K Units)

Table 142. Middle East & Africa EtherCAT Communication Module Sales Quantity by Application (2021-2026) & (K Units)

Table 143. Middle East & Africa EtherCAT Communication Module Sales Quantity by Application (2027-2032) & (K Units)

Table 144. Middle East & Africa EtherCAT Communication Module Sales Quantity by Country (2021-2026) & (K Units)

Table 145. Middle East & Africa EtherCAT Communication Module Sales Quantity by Country (2027-2032) & (K Units)

Table 146. Middle East & Africa EtherCAT Communication Module Consumption Value by Country (2021-2026) & (USD Million)

Table 147. Middle East & Africa EtherCAT Communication Module Consumption Value by Country (2027-2032) & (USD Million)

Table 148. EtherCAT Communication Module Raw Material

Table 149. Key Manufacturers of EtherCAT Communication Module Raw Materials

Table 150. EtherCAT Communication Module Typical Distributors

Table 151. EtherCAT Communication Module Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. EtherCAT Communication Module Picture
- Figure 2. Global EtherCAT Communication Module Revenue by Interface Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global EtherCAT Communication Module Revenue Market Share by Interface Type in 2025
- Figure 4. Fiber Optic Interface Module Examples
- Figure 5. Copper Ethernet Interface Module Examples
- Figure 6. Wireless Interface Module Examples
- Figure 7. Global EtherCAT Communication Module Revenue by Functional Purpose, (USD Million), 2021 & 2025 & 2032
- Figure 8. Global EtherCAT Communication Module Revenue Market Share by Functional Purpose in 2025
- Figure 9. Master Communication Module Examples
- Figure 10. Slave Communication Module Examples
- Figure 11. Gateway Communication Module Examples
- Figure 12. Global EtherCAT Communication Module Revenue by Mounting Type, (USD Million), 2021 & 2025 & 2032
- Figure 13. Global EtherCAT Communication Module Revenue Market Share by Mounting Type in 2025
- Figure 14. Plug-in Module Examples
- Figure 15. DIN Rail Mounted Module Examples
- Figure 16. Panel Mounted Module Examples
- Figure 17. Global EtherCAT Communication Module Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 18. Global EtherCAT Communication Module Revenue Market Share by Application in 2025
- Figure 19. Industrial Automation Examples
- Figure 20. Network Communication Examples
- Figure 21. Others Examples
- Figure 22. Global EtherCAT Communication Module Consumption Value, (USD Million): 2021 & 2025 & 2032
- Figure 23. Global EtherCAT Communication Module Consumption Value and Forecast (2021-2032) & (USD Million)
- Figure 24. Global EtherCAT Communication Module Sales Quantity (2021-2032) & (K Units)

Figure 25. Global EtherCAT Communication Module Price (2021-2032) & (K US\$/Unit)

Figure 26. Global EtherCAT Communication Module Sales Quantity Market Share by Manufacturer in 2025

Figure 27. Global EtherCAT Communication Module Revenue Market Share by Manufacturer in 2025

Figure 28. Producer Shipments of EtherCAT Communication Module by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 29. Top 3 EtherCAT Communication Module Manufacturer (Revenue) Market Share in 2025

Figure 30. Top 6 EtherCAT Communication Module Manufacturer (Revenue) Market Share in 2025

Figure 31. Global EtherCAT Communication Module Sales Quantity Market Share by Region (2021-2032)

Figure 32. Global EtherCAT Communication Module Consumption Value Market Share by Region (2021-2032)

Figure 33. North America EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 34. Europe EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 35. Asia-Pacific EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 36. South America EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 37. Middle East & Africa EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 38. Global EtherCAT Communication Module Sales Quantity Market Share by Interface Type (2021-2032)

Figure 39. Global EtherCAT Communication Module Consumption Value Market Share by Interface Type (2021-2032)

Figure 40. Global EtherCAT Communication Module Average Price by Interface Type (2021-2032) & (K US\$/Unit)

Figure 41. Global EtherCAT Communication Module Sales Quantity Market Share by Application (2021-2032)

Figure 42. Global EtherCAT Communication Module Revenue Market Share by Application (2021-2032)

Figure 43. Global EtherCAT Communication Module Average Price by Application (2021-2032) & (K US\$/Unit)

Figure 44. North America EtherCAT Communication Module Sales Quantity Market Share by Interface Type (2021-2032)

Figure 45. North America EtherCAT Communication Module Sales Quantity Market Share by Application (2021-2032)

Figure 46. North America EtherCAT Communication Module Sales Quantity Market Share by Country (2021-2032)

Figure 47. North America EtherCAT Communication Module Consumption Value Market Share by Country (2021-2032)

Figure 48. United States EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 49. Canada EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 50. Mexico EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 51. Europe EtherCAT Communication Module Sales Quantity Market Share by Interface Type (2021-2032)

Figure 52. Europe EtherCAT Communication Module Sales Quantity Market Share by Application (2021-2032)

Figure 53. Europe EtherCAT Communication Module Sales Quantity Market Share by Country (2021-2032)

Figure 54. Europe EtherCAT Communication Module Consumption Value Market Share by Country (2021-2032)

Figure 55. Germany EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 56. France EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 57. United Kingdom EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 58. Russia EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 59. Italy EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 60. Asia-Pacific EtherCAT Communication Module Sales Quantity Market Share by Interface Type (2021-2032)

Figure 61. Asia-Pacific EtherCAT Communication Module Sales Quantity Market Share by Application (2021-2032)

Figure 62. Asia-Pacific EtherCAT Communication Module Sales Quantity Market Share by Region (2021-2032)

Figure 63. Asia-Pacific EtherCAT Communication Module Consumption Value Market Share by Region (2021-2032)

Figure 64. China EtherCAT Communication Module Consumption Value (2021-2032) &

(USD Million)

Figure 65. Japan EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 66. South Korea EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 67. India EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 68. Southeast Asia EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 69. Australia EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 70. South America EtherCAT Communication Module Sales Quantity Market Share by Interface Type (2021-2032)

Figure 71. South America EtherCAT Communication Module Sales Quantity Market Share by Application (2021-2032)

Figure 72. South America EtherCAT Communication Module Sales Quantity Market Share by Country (2021-2032)

Figure 73. South America EtherCAT Communication Module Consumption Value Market Share by Country (2021-2032)

Figure 74. Brazil EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 75. Argentina EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 76. Middle East & Africa EtherCAT Communication Module Sales Quantity Market Share by Interface Type (2021-2032)

Figure 77. Middle East & Africa EtherCAT Communication Module Sales Quantity Market Share by Application (2021-2032)

Figure 78. Middle East & Africa EtherCAT Communication Module Sales Quantity Market Share by Country (2021-2032)

Figure 79. Middle East & Africa EtherCAT Communication Module Consumption Value Market Share by Country (2021-2032)

Figure 80. Turkey EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 81. Egypt EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 82. Saudi Arabia EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 83. South Africa EtherCAT Communication Module Consumption Value (2021-2032) & (USD Million)

Figure 84. EtherCAT Communication Module Market Drivers

Figure 85. EtherCAT Communication Module Market Restraints

Figure 86. EtherCAT Communication Module Market Trends

Figure 87. Porters Five Forces Analysis

Figure 88. Manufacturing Cost Structure Analysis of EtherCAT Communication Module in 2025

Figure 89. Manufacturing Process Analysis of EtherCAT Communication Module

Figure 90. EtherCAT Communication Module Industrial Chain

Figure 91. Sales Channel: Direct to End-User vs Distributors

Figure 92. Direct Channel Pros & Cons

Figure 93. Indirect Channel Pros & Cons

Figure 94. Methodology

Figure 95. Research Process and Data Source

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