Ethernet switches used in industrial settings are different from commercial switches. Industrial Ethernet switches are designed for environments that are unfavorable to commercial switches. This can include environments with extreme temperatures, high vibrations, and several electric noises. Commercial Ethernet switches are designed to meet enterprise electromagnetic compatibility (EMC) requirement. Most industrial switches are designed to meet stringent industrial EMC requirements. In addition, industrial Ethernet switches have a much higher mean time to failure and mean time to repair than commercial switches.

Implementation of unmanaged Ethernet switch is governed in the applications of Ethernet devices communication with industrial PC or a network printer, this modulates uninterrupted communication between the devices.

One of the primary unmanaged industrial ethernet switches market drivers is the rising implementation of embedded Ethernet switches. The growing need to reduce cost and space is leading to the greater adoption of embedded switching equipment for industrial machines. Embedded Ethernet switches (managed and unmanaged) are designed to be accommodated within the main board of an automation component. Embedded Ethernet boards fill a gap between large stand-alone Ethernet switches and switching chips. These unmanaged switches provide drop-in Ethernet functionality and decrease the time taken for an automation equipment manufacturer to transform an in-production design into a state-of-the-art Ethernet-enabled product.

One of the latest unmanaged industrial ethernet switches market trends is the rising popularity of power over ethernet (PoE) switches. The PoE standard allows users to power devices over ethernet cabling. PoE offers the potential for economic standards based on the high-performance industrial network. Moreover, the possibility of combining signal and power into a single ethernet cable connection will contribute to the already-rapid transition to ethernet-based industrial control systems. This will, in turn, give the capability to power a full SCADA system from ports on industrial Ethernet switches, in addition to non-traditional devices such as cameras and PCs.

EMEA hold the highest unmanaged industrial Ethernet switches market share during the forecast period. The high preference of the end-user for unmanaged Ethernet switches with a robust IP67/54 enclosure for use in the most demanding environments is driving the growth of the embedded network switches market in the region.

The Unmanaged Industrial Ethernet Switches market was valued at xx Million US$ in 2018 and is projected to reach xx Million US$ by 2025, at a CAGR of xx% during the forecast period. In this study, 2018 has been considered as the base year and 2019 to 2025 as the forecast period to estimate the market size for Unmanaged Industrial Ethernet Switches.

This report presents the worldwide Unmanaged Industrial Ethernet Switches market size (value, production and consumption), splits the breakdown (data status 2014-2019 and forecast to 2025), by manufacturers, region, type and application.

This study also analyzes the market status, market share, growth rate, future trends, market drivers, opportunities and challenges, risks and entry barriers, sales channels, distributors and Porter’s Five Forces Analysis.

The following manufacturers are covered in this report:
Beckhoff Automation
Cisco
Rockwell Automation
Schneider Electric
Siemens
ABB
Belden
Eaton
Hitachi
IDEC
OMRON
Unmanaged Industrial Ethernet Switches Breakdown Data by Type
RJ-45 Ethernet Switches
BNC Ethernet Switches
AUI Ethernet Switches
Unmanaged Industrial Ethernet Switches Breakdown Data by Application
Discrete Industries
Process Industries
Unmanaged Industrial Ethernet Switches Production by Region
United States
Europe
China
Japan
Other Regions
Unmanaged Industrial Ethernet Switches Consumption by Region
North America
United States
Canada
Mexico
Asia-Pacific
China
India
Japan
South Korea
Australia
The study objectives are:
To analyze and research the global Unmanaged Industrial Ethernet Switches status and future forecast involving, production, revenue, consumption, historical and forecast. To present the key Unmanaged Industrial Ethernet Switches manufacturers, production, revenue, market share, and recent development.
To split the breakdown data by regions, type, manufacturers and applications.
To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints and risks.
To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.
In this study, the years considered to estimate the market size of Unmanaged Industrial Ethernet Switches:
History Year: 2014 - 2018
Base Year: 2018
Estimated Year: 2019
Forecast Year: 2019 - 2025
This report includes the estimation of market size for value (million USD) and volume (K Units). Both top-down and bottom-up approaches have been used to estimate and validate the market size of Unmanaged Industrial Ethernet Switches market, to estimate the size of various other dependent submarkets in the overall market. Key players in the market have been identified through secondary research, and their market shares have been determined through primary and secondary research. All percentage shares, splits, and breakdowns have been determined using secondary sources and verified primary sources.
For the data information by region, company, type and application, 2018 is considered as the base year. Whenever data information was unavailable for the base year, the prior year has been considered.

Contents:

1 Study Coverage
   1.1 Unmanaged Industrial Ethernet Switches Product
   1.2 Key Market Segments in This Study
   1.3 Key Manufacturers Covered
   1.4 Market by Type
      1.4.1 Global Unmanaged Industrial Ethernet Switches Market Size Growth Rate by Type
      1.4.2 RJ-45 Ethernet Switches
      1.4.3 BNC Ethernet Switches
      1.4.4 AUI Ethernet Switches
   1.5 Market by Application
      1.5.1 Global Unmanaged Industrial Ethernet Switches Market Size Growth Rate by Application
      1.5.2 Discrete Industries
      1.5.3 Process Industries
   1.6 Study Objectives
   1.7 Years Considered

2 Executive Summary
   2.1 Global Unmanaged Industrial Ethernet Switches Market Size
      2.1.1 Global Unmanaged Industrial Ethernet Switches Revenue 2014-2025
      2.1.2 Global Unmanaged Industrial Ethernet Switches Production 2014-2025
   2.2 Unmanaged Industrial Ethernet Switches Growth Rate (CAGR) 2019-2025
   2.3 Analysis of Competitive Landscape
      2.3.1 Manufacturers Market Concentration Ratio (CR5 and HHI)
      2.3.2 Key Unmanaged Industrial Ethernet Switches Manufacturers
      2.3.2.1 Unmanaged Industrial Ethernet Switches Manufacturing Base Distribution, Headquarters
      2.3.2.2 Manufacturers Unmanaged Industrial Ethernet Switches Product Offered
      2.3.2.3 Date of Manufacturers Enter into Unmanaged Industrial Ethernet Switches Market
   2.4 Key Trends for Unmanaged Industrial Ethernet Switches Markets & Products

3 Market Size by Manufacturers
   3.1 Unmanaged Industrial Ethernet Switches Production by Manufacturers
      3.1.1 Unmanaged Industrial Ethernet Switches Production by Manufacturers
      3.1.2 Unmanaged Industrial Ethernet Switches Production Market Share by Manufacturers
   3.2 Unmanaged Industrial Ethernet Switches Revenue by Manufacturers
      3.2.1 Unmanaged Industrial Ethernet Switches Revenue by Manufacturers (2014-2019)
      3.2.2 Unmanaged Industrial Ethernet Switches Revenue Share by Manufacturers (2014-2019)
   3.3 Unmanaged Industrial Ethernet Switches Price by Manufacturers
   3.4 Mergers & Acquisitions, Expansion Plans

4 Unmanaged Industrial Ethernet Switches Production by Regions
4.1 Global Unmanaged Industrial Ethernet Switches Production by Regions
   • 4.1.1 Global Unmanaged Industrial Ethernet Switches Production Market Share by Regions
   • 4.1.2 Global Unmanaged Industrial Ethernet Switches Revenue Market Share by Regions

4.2 United States
   • 4.2.1 United States Unmanaged Industrial Ethernet Switches Production
   • 4.2.2 United States Unmanaged Industrial Ethernet Switches Revenue
   • 4.2.3 Key Players in United States
   • 4.2.4 United States Unmanaged Industrial Ethernet Switches Import & Export

4.3 Europe
   • 4.3.1 Europe Unmanaged Industrial Ethernet Switches Production
   • 4.3.2 Europe Unmanaged Industrial Ethernet Switches Revenue
   • 4.3.3 Key Players in Europe
   • 4.3.4 Europe Unmanaged Industrial Ethernet Switches Import & Export

4.4 China
   • 4.4.1 China Unmanaged Industrial Ethernet Switches Production
   • 4.4.2 China Unmanaged Industrial Ethernet Switches Revenue
   • 4.4.3 Key Players in China
   • 4.4.4 China Unmanaged Industrial Ethernet Switches Import & Export

4.5 Japan
   • 4.5.1 Japan Unmanaged Industrial Ethernet Switches Production
   • 4.5.2 Japan Unmanaged Industrial Ethernet Switches Revenue
   • 4.5.3 Key Players in Japan
   • 4.5.4 Japan Unmanaged Industrial Ethernet Switches Import & Export

4.6 Other Regions
   • 4.6.1 South Korea
   • 4.6.2 India
   • 4.6.3 Southeast Asia

5 Unmanaged Industrial Ethernet Switches Consumption by Regions
   • 5.1 Global Unmanaged Industrial Ethernet Switches Consumption by Regions
   • 5.1.1 Global Unmanaged Industrial Ethernet Switches Consumption by Regions
   • 5.1.2 Global Unmanaged Industrial Ethernet Switches Consumption Market Share by Regions

5.2 North America
   • 5.2.1 North America Unmanaged Industrial Ethernet Switches Consumption by Application
   • 5.2.2 North America Unmanaged Industrial Ethernet Switches Consumption by Countries
   • 5.2.3 United States
   • 5.2.4 Canada
   • 5.2.5 Mexico

5.3 Europe
   • 5.3.1 Europe Unmanaged Industrial Ethernet Switches Consumption by Application
   • 5.3.2 Europe Unmanaged Industrial Ethernet Switches Consumption by Countries
   • 5.3.3 Germany
   • 5.3.4 France
   • 5.3.5 UK
   • 5.3.6 Italy
   • 5.3.7 Russia

5.4 Asia Pacific
   • 5.4.1 Asia Pacific Unmanaged Industrial Ethernet Switches Consumption by Application
   • 5.4.2 Asia Pacific Unmanaged Industrial Ethernet Switches Consumption by Countries
   • 5.4.3 China
   • 5.4.4 Japan
   • 5.4.5 South Korea
   • 5.4.6 India
   • 5.4.7 Australia
   • 5.4.8 Indonesia
   • 5.4.9 Thailand
   • 5.4.10 Malaysia
   • 5.4.11 Philippines
   • 5.4.12 Vietnam

5.5 Central & South America
   • 5.5.1 Central & South America Unmanaged Industrial Ethernet Switches Consumption by Application
   • 5.5.2 Central & South America Unmanaged Industrial Ethernet Switches Consumption by Country
   • 5.5.3 Brazil

5.6 Middle East and Africa
   • 5.6.1 Middle East and Africa Unmanaged Industrial Ethernet Switches Consumption by Application
   • 5.6.2 Middle East and Africa Unmanaged Industrial Ethernet Switches Consumption by Countries
   • 5.6.3 GCC Countries
   • 5.6.4 Egypt
   • 5.6.5 South Africa

6 Market Size by Type
   • 6.1 Global Unmanaged Industrial Ethernet Switches Production by Type
   • 6.2 Global Unmanaged Industrial Ethernet Switches Revenue by Type
   • 6.3 Unmanaged Industrial Ethernet Switches Price by Type

7 Market Size by Application
   • 7.1 Overview
   • 7.2 Global Unmanaged Industrial Ethernet Switches Breakdown Data by Application
     • 7.2.1 Global Unmanaged Industrial Ethernet Switches Consumption by Application
     • 7.2.2 Global Unmanaged Industrial Ethernet Switches Consumption Market Share by Application (2014-2019)

8 Manufacturers Profiles
   • 8.1 Beckhoff Automation
     • 8.1.1 Beckhoff Automation Company Details
     • 8.1.2 Company Overview
8.1.4 Beckhoff Automation Unmanaged Industrial Ethernet Switches Product Description
8.1.5 Beckhoff Automation Recent Development

8.2 Cisco
8.2.1 Cisco Company Details
8.2.2 Company Overview
8.2.3 Cisco Unmanaged Industrial Ethernet Switches Production Revenue and Gross Margin (2014-2019)
8.2.4 Cisco Unmanaged Industrial Ethernet Switches Product Description
8.2.5 Cisco Recent Development

8.3 Rockwell Automation
8.3.1 Rockwell Automation Company Details
8.3.2 Company Overview
8.3.4 Rockwell Automation Unmanaged Industrial Ethernet Switches Product Description
8.3.5 Rockwell Automation Recent Development

8.4 Schneider Electric
8.4.1 Schneider Electric Company Details
8.4.2 Company Overview
8.4.3 Schneider Electric Unmanaged Industrial Ethernet Switches Production Revenue and Gross Margin (2014-2019)
8.4.4 Schneider Electric Unmanaged Industrial Ethernet Switches Product Description
8.4.5 Schneider Electric Recent Development

8.5 Siemens
8.5.1 Siemens Company Details
8.5.2 Company Overview
8.5.3 Siemens Unmanaged Industrial Ethernet Switches Production Revenue and Gross Margin (2014-2019)
8.5.4 Siemens Unmanaged Industrial Ethernet Switches Product Description
8.5.5 Siemens Recent Development

8.6 ABB
8.6.1 ABB Company Details
8.6.2 Company Overview
8.6.4 ABB Unmanaged Industrial Ethernet Switches Product Description
8.6.5 ABB Recent Development

8.7 Belden
8.7.1 Belden Company Details
8.7.2 Company Overview
8.7.3 Belden Unmanaged Industrial Ethernet Switches Production Revenue and Gross Margin (2014-2019)
8.7.4 Belden Unmanaged Industrial Ethernet Switches Product Description
8.7.5 Belden Recent Development

8.8 Eaton
8.8.1 Eaton Company Details
8.8.2 Company Overview
8.8.4 Eaton Unmanaged Industrial Ethernet Switches Product Description
8.8.5 Eaton Recent Development

8.9 Hitachi
8.9.1 Hitachi Company Details
8.9.2 Company Overview
8.9.3 Hitachi Unmanaged Industrial Ethernet Switches Production Revenue and Gross Margin (2014-2019)
8.9.4 Hitachi Unmanaged Industrial Ethernet Switches Product Description
8.9.5 Hitachi Recent Development

8.10 IDEC
8.10.1 IDEC Company Details
8.10.2 Company Overview
8.10.3 IDEC Unmanaged Industrial Ethernet Switches Production Revenue and Gross Margin (2014-2019)
8.10.4 IDEC Unmanaged Industrial Ethernet Switches Product Description
8.10.5 IDEC Recent Development

8.11 OMRON

9 Production Forecasts
9.1 Unmanaged Industrial Ethernet Switches Production and Revenue Forecast
9.1.1 Global Unmanaged Industrial Ethernet Switches Production Forecast 2019-2025
9.1.2 Global Unmanaged Industrial Ethernet Switches Revenue Forecast 2019-2025
9.2 Unmanaged Industrial Ethernet Switches Production and Revenue Forecast by Regions
9.2.1 Global Unmanaged Industrial Ethernet Switches Revenue Forecast by Regions
9.2.2 Global Unmanaged Industrial Ethernet Switches Production Forecast by Regions
9.3 Unmanaged Industrial Ethernet Switches Key Producers Forecast
9.3.1 United States
9.3.2 Europe
9.3.3 China
9.3.4 Japan
9.4 Forecast by Type
9.4.1 Global Unmanaged Industrial Ethernet Switches Production Forecast by Type
9.4.2 Global Unmanaged Industrial Ethernet Switches Revenue Forecast by Type

10 Consumption Forecast
10.1 Unmanaged Industrial Ethernet Switches Consumption Forecast by Application
10.2 Unmanaged Industrial Ethernet Switches Consumption Forecast by Regions
10.3 North America Market Consumption Forecast
10.3.1 North America Unmanaged Industrial Ethernet Switches Consumption Forecast by Regions 2019-2025
10.3.2 United States
10.3.3 Canada
10.3.4 Mexico
10.4 Europe Market Consumption Forecast
10.4.1 Europe Unmanaged Industrial Ethernet Switches Consumption Forecast by Regions 2019-2025
10.4.2 Germany
10.4.3 France
10.4.4 UK
10.4.5 Italy
10.4.6 Russia

10.5 Asia Pacific Market Consumption Forecast
10.5.1 Asia Pacific Unmanaged Industrial Ethernet Switches Consumption Forecast by Regions 2019-2025
10.5.2 China
10.5.3 Japan
10.5.4 South Korea
10.5.5 India
10.5.6 Australia
10.5.7 Indonesia
10.5.8 Thailand
10.5.9 Malaysia
10.5.10 Philippines
10.5.11 Vietnam

10.6 Central & South America Market Consumption Forecast
10.6.1 Central & South America Unmanaged Industrial Ethernet Switches Consumption Forecast by Regions 2019-2025
10.6.2 Brazil

10.7 Middle East and Africa Market Consumption Forecast
10.7.1 Middle East and Africa Unmanaged Industrial Ethernet Switches Consumption Forecast by Regions 2019-2025
10.7.2 GCC Countries
10.7.3 Egypt
10.7.4 South Africa

11 Value Chain and Sales Channels Analysis
11.1 Value Chain Analysis
11.2 Sales Channels Analysis
11.2.1 Unmanaged Industrial Ethernet Switches Sales Channels
11.2.2 Unmanaged Industrial Ethernet Switches Distributors
11.3 Unmanaged Industrial Ethernet Switches Customers

12 Market Opportunities & Challenges, Risks and Influences Factors Analysis
12.1 Market Opportunities and Drivers
12.2 Market Challenges
12.3 Market Risks/Restraints

13 Key Findings in the Global Unmanaged Industrial Ethernet Switches Study

14 Appendix
14.1 Research Methodology
14.1.1 Methodology/Research Approach
14.1.1.1 Research Programs/Design
14.1.1.2 Market Size Estimation
14.1.1.3 Market Breakdown and Data Triangulation
14.1.2 Data Source
14.1.2.1 Secondary Sources
14.1.2.2 Primary Sources
14.2 Author Details