

Ethernet Switch Market By Type (Modular Ethernet Switches, Fixed Configuration Ethernet Switches), By Configuration (Unmanaged, Smart, Managed L2, Managed L3, Divided), By Speed (1G, 10 G, 25 G, 40 G, 100 G, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031

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Report description:

Ethernet switch is a multiport network switch that connects all the computer networking devices together on a computer. It forwards the data only to its destination port where it is required unlike Ethernet hubs, which forwards the data to all the ports irrespective of the requirement. Ethernet switches are broadly classified into two main categories, such as modular and fixed configuration. Modular switches enable to add expansion modules into the switches as needed, thereby delivering the best flexibility to address changing networks, whereas fixed configuration switches are switches with a fixed number of ports and are typically not expandable.

The prominent factors that drive the Ethernet switch market growth include, increase in adoption of industrial Ethernet switches due to their benefits along with rise in need to ensure efficiency in communication infrastructure in the automotive & transport environment. In addition, rise in application of Ethernet switch in industrial infrastructures, such as smart grid, intelligent rail & traffic, security & surveillance, and other utilities, fuels the market growth.

However, the technological complexity involved in Ethernet switches that increases their vulnerability toward security attacks is anticipated to restrain the market growth. On the contrary, the factors such as the emergence of Industry 4.0 is anticipated to provide lucrative opportunities for the market growth. In addition, emergence of connected vehicles in the automotive & transportation industry is expected to be opportunistic for growth of the Ethernet switch market during the forecast period.

The Ethernet switch market is segmented on the basis of type, configuration, speed, and region. By type, the market is divided into modular Ethernet switches and fixed configuration Ethernet switches. The configuration segment is divided into unmanaged, smart, managed L2, managed L3, and divided. By speed, the market is analyzed across 1G, 10 G, 25 G, 40 G, 100 G, and others. Region-wise, the Ethernet switch market trends are analyzed across North America (the U.S., Canada, and Mexico), Europe (UK,

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Germany, France, Italy, Spain, Nordic, Russia, Poland, Benelux and rest of Europe), Asia-Pacific (China, Japan, India, South Korea and rest of Asia-Pacific), and LAMEA (Latin America, the Middle East, and Africa).

The key players profiled in the report include, Alcatel-Lucent Enterprise International, Allied Telesis, Inc., Arista, Belden Inc., Black Box Network Services, Broadcom, Cisco Systems Inc., Dell Inc., H3C, Hewlett Packard Enterprise Development LP, HUAWEI, Intel Corp., Juniper Networks, Moxa Inc., Siemens, TRENDnet, Inc., and Advantech Co., Ltd. are provided in this report.

Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the ethernet switch market analysis from 2021 to 2031 to identify the prevailing ethernet switch market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the ethernet switch market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global ethernet switch market trends, key players, market segments, application areas, and market growth strategies.

Key Market Segments

By Type

- Modular Ethernet Switches
- Fixed Configuration Ethernet Switches

By Configuration

- Unmanaged
- Smart
- Managed L2
- Managed L3
- Divided

By Speed

- 1G
- 10 G
- 25 G
- 40 G
- 100 G
- Others

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- UK
- Germany
- France
- Italy
- Spain
- Nordic
- Russia

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- Poland
- Benelux
- Rest Of Europe
- Asia-Pacific
- China
- Japan
- India
- South Korea
- Rest Of Asia-Pacific
- LAMEA
- Latin America
- Middle East
- Africa
- Key Market Players
- Allied Telesis, Inc.[]
- Arista Networks, Inc.
- Belden Inc.
- Black Box
- Broadcom Inc.
- Cisco Systems Inc.
- Dell Inc.
- H3C Technologies Co., Ltd
- Hewlett Packard Enterprise
- Huawei Technologies Co., Ltd.
- Intel Corporation
- Juniper Networks
- Moxa Inc.
- Siemens AG
- TRENDnet, Inc.
- Advantech Co., Ltd.
- Alcatel-Lucent Enterprise International

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