

Global Data Center Ethernet Switch Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Data Center Ethernet Switch market size was valued at US\$ 19810 million in 2024 and is forecast to a readjusted size of USD 33120 million by 2031 with a CAGR of 7.2% during review period.

A Data Center Ethernet Switch is a specialized networking device designed to interconnect various servers, storage systems, and other networking devices within a data center environment. Unlike traditional Ethernet switches used in general office or Internet networks, data center ethernet switches are optimized for high performance, low latency, and reliability to meet the demanding requirements of modern data centers. These switches typically feature advanced capabilities such as high-speed ports, low latency switching fabric, high-density port configurations, and support for virtualization technologies like VLANs (Virtual Local Area Networks) and VXLAN (Virtual Extensible LAN). They play a crucial role in enabling efficient data traffic management, scalability, and seamless connectivity within large-scale data center infrastructures, supporting critical applications such as cloud computing, big data analytics, and high-performance computing (HPC).

The global key manufacturers of Datacenter Ethernet Switch include Cisco, Arista Networks and Huawei, etc, top 3 manufacturers hold a share approximately 60%. Cisco is the world's largest Datacenter Ethernet Switch manufacturer, with a market share of more than 30%. North America, Europe and Asia-Pacific are the major Datacenter Ethernet Switch market, they have a market share of more than 98%. North America is the largest market with a share of 40%. In terms of product type, 100 GbE is the largest market segment with a share of more than 46%. In terms of applications, Internet is the

largest downstream segment, with a market share of about 58%.

This report is a detailed and comprehensive analysis for global Data Center Ethernet Switch market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by 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 Data Center Ethernet Switch market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Data Center Ethernet Switch market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Data Center Ethernet Switch market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Data Center Ethernet Switch market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

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 Data Center Ethernet Switch

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 Data Center Ethernet Switch 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 Cisco, Arista Networks, Huawei, Accton Technology, Celestica, New H3C Technologies, Hewlett Packard, Juniper Networks, Ruijie Networks, ZTE, etc.

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

Market Segmentation

Data Center Ethernet Switch market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by 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 Type

25 GbE

100 GbE

200/400 GbE

Others

Market segment by Application

Internet

Government

Telecommunications

Finance

Others

Major players covered

Cisco

Arista Networks

Huawei

Accton Technology

Celestica

New H3C Technologies

Hewlett Packard

Juniper Networks

Ruijie Networks

ZTE

Dell

Marvell

Quanta Computer

NVIDIA

Fortinet

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 Data Center Ethernet Switch product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Data Center Ethernet Switch, with price, sales quantity, revenue, and global market share of Data Center Ethernet Switch from 2020 to 2025.

Chapter 3, the Data Center Ethernet Switch competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Data Center Ethernet Switch breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and Data Center Ethernet Switch market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Data Center Ethernet Switch.

Chapter 14 and 15, to describe Data Center Ethernet Switch sales channel, distributors, customers, research findings and conclusion.

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