+357 96 030922
info@marketpublishers.com

Network Switches Market Forecasts to 2030 – Global Analysis by Switch Type (Managed Switches, Unmanaged Switches, Smart/Hybrid Switches, Power over Ethernet (PoE) Switches and Layer-Based Switches), Switching Capacity, Port Speed, Enterprise Size, End User and By Geography

https://marketpublishers.com/r/N06C37595B23EN.html
Date: February 2025
Pages: 150
Price: US$ 4,150.00 (Single User License)
ID: N06C37595B23EN

Abstracts

According to Stratistics MRC, the Global Network Switches Market is accounted for $35.8 billion in 2024 and is expected to reach $58.8 billion by 2030 growing at a CAGR of 8.6% during the forecast period. A network switch is a networking device that effectively controls data traffic and links several devices together inside a local area network (LAN). Switches use packet switching to convey data only to the intended receiver, enhancing network performance and lowering congestion, in contrast to hubs, which broadcast data to all connected devices. They provide features like VLAN segmentation and routing by functioning at Layer 2 (Data Link Layer) or Layer 3 (Network Layer) of the OSI model. Network switches, which are frequently utilized in data centers, enterprise networks, and industrial automation, improve security, scalability, and speed by enabling smooth communication between PCs, servers, and Internet of Things devices.

Market Dynamics:

Driver:

Growth of Smart Cities & IoT Applications

The growth of smart cities and IoT applications is significantly driving the network

+357 96 030922
info@marketpublishers.com

switches market by increasing demand for high-speed, reliable, and scalable connectivity. Smart city infrastructure, including intelligent traffic management, surveillance, and energy grids, relies on network switches for seamless data transmission. Additionally, the rapid expansion of IoT ecosystems in industries like healthcare, transportation, and manufacturing is boosting the need for efficient data routing and edge computing. This trend accelerates market growth by fostering continuous network upgrades and innovation.

Restraint:

High Initial Costs

High initial costs hinder the network switches market by limiting adoption, especially for small and medium enterprises (SMEs) with budget constraints. Expensive hardware, installation, and maintenance deter investments, delaying network upgrades. Cost concerns also slow market penetration in developing regions. Additionally, businesses may opt for lower-cost alternatives, affecting premium switch manufacturers, this financial barrier restricts overall market growth and innovation adoption.

Opportunity:

5G Deployment & Network Modernization

The deployment of 5G and network modernization is significantly driving the market by increasing demand for high-speed, low-latency connectivity. As telecom providers upgrade infrastructure, advanced Layer 3 and SDN-enabled switches are essential for efficient data routing. Expanding edge computing, cloud services and IoT integration further boosts adoption. Additionally, enterprises and data centers require scalable, high-bandwidth network switches to support 5G-driven applications, accelerating market growth and innovation in AI-powered traffic management and automated network solutions.

Threat:

Complex Network Management

Complex network management hinders the network switches market by increasing operational costs, requiring skilled IT personnel, and complicating deployments. Managing diverse network architectures, security protocols, and software updates

+357 96 030922
info@marketpublishers.com

creates inefficiencies, delaying adoption. Interoperability issues between multi-vendor environments add further challenges. Businesses seeking simplified solutions may hesitate to invest in advanced network switches, slowing market growth despite rising connectivity demands.

Covid-19 Impact:

The COVID-19 pandemic significantly impacted the network switches market, driving demand due to increased remote work, online learning, and data center expansion. However, supply chain disruptions, semiconductor shortages, and logistics challenges affected production and deliveries. Enterprises prioritized digital transformation, accelerating cloud adoption and edge computing. While initial slowdowns occurred, long-term growth was bolstered by heightened connectivity needs and IT infrastructure investments across industries.

The layer-based switches segment is expected to be the largest during the forecast period

The layer-based switches segment is expected to account for the largest market share during the forecast period as Layer 2 switches improve local traffic management, while Layer 3 switches enable advanced routing for enterprise and data center networks. The rise of cloud computing, SDN (Software-Defined Networking), and IoT is fueling demand for Layer 4–7 switches, which optimize application performance and security. As businesses modernize infrastructure for 5G, AI, and edge computing, layer-based switches play a crucial role in network optimization and expansion.

The media & entertainment segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the media & entertainment segment is predicted to witness the highest growth rate due to rising demand for high-speed data transfer, low-latency streaming, and cloud-based content delivery. The surge in 4K/8K video production, live streaming, eSports, and OTT platforms requires robust network infrastructure. Additionally, virtual production, AI-driven content analytics, and real-time collaboration are accelerating investments in advanced switches. As digital content consumption grows, high-performance, scalable network solutions become essential, driving market expansion.

Region with largest share:

+357 96 030922
info@marketpublishers.com

During the forecast period, the Asia Pacific region is expected to hold the largest market share because the need for fast, scalable network switches is being driven by rising investments in cloud computing, smart cities, and Internet of Things applications. Market expansion is further accelerated by the region's burgeoning e-commerce, enterprise IT modernization, and rising internet adoption. Adoption is further facilitated by government programs that encourage the growth of digital infrastructure and increasing industrial automation. Asia-Pacific is a major center for innovations due to the region's high concentration of top tech manufacturers.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR as growth is being driven by the growing need for high-speed data transmission in data centers, businesses, and smart cities. The market need is further increased by the region's robust adoption of edge computing, IoT, and AI. Adoption is also being accelerated by government initiatives for digital infrastructure and growing cybersecurity investments. The industry is expected to grow significantly since North America is at the forefront of technological innovations.

Key players in the market

Some of the key players in Network Switches Market include Allied Telesis, Inc., Arista Networks, Inc., Avaya Holdings Corp., Cisco Systems, Inc., Dell Technologies Inc., D-Link Corporation, Edgecore Networks Corporation, Extreme Networks, Inc., Fortinet, Inc., Hewlett Packard Enterprise (HPE), Huawei Technologies Co., Ltd., Juniper Networks, Inc., NETGEAR, Inc., Nokia Corporation, Palo Alto Networks, Inc., TP-Link Technologies Co., Ltd. and ZTE Corporation.

Key Developments:

In January 2025, Huawei, International Union for Conservation of Nature (IUCN), and local partner Kenya Wildlife Service (KWS) have launched a Tech4Nature project to monitor and protect coral reef and biodiversity in Kenya's Kisite-Mpunguti Marine Park and Reserve.

In January 2025, StarHub and Nokia are partnered on network APIs to support StarHub’s mission to create new revenue opportunities for its customers and monetize its network assets.

+357 96 030922
info@marketpublishers.com

In January 2025, Nokia announced that it has signed a multi-year patent license agreement with Samsung covering the use of Nokia's video technologies in Samsung's televisions.

Switch Types Covered:

- Managed Switches
- Unmanaged Switches
- Smart/Hybrid Switches
- Power over Ethernet (PoE) Switches
- Layer-Based Switches

Switching Capacities Covered:

- Fixed-Configuration Switches
- Modular Switches

Port Speeds Covered:

- 10/100 Mbps
- 1 Gbps
- 2.5 Gbps
- 5 Gbps
- 10 Gbps
- 25 Gbps

+357 96 030922
info@marketpublishers.com

40 Gbps

100 Gbps & Above

Enterprise Sizes Covered:

Small & Medium Enterprises (SMEs)

Large Enterprises

End Users Covered:

IT & Telecommunications

Government & Public Sector

Retail & E-Commerce

Healthcare & Life Sciences

Manufacturing & Industrial Automation

Education

Energy & Utilities

Media & Entertainment

Other End Users

Regions Covered:

North America

US

+357 96 030922
info@marketpublishers.com

- Canada
- Mexico

Europe

- Germany
- UK
- Italy
- France
- Spain
- Rest of Europe

Asia Pacific

- Japan
- China
- India
- Australia
- New Zealand
- South Korea
- Rest of Asia Pacific

South America

- Argentina
- Brazil

+357 96 030922
info@marketpublishers.com

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2022, 2023, 2024, 2026, and 2030
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

+357 96 030922
info@marketpublishers.com

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

10 GLOBAL NETWORK SWITCHES MARKET, BY GEOGRAPHY

+357 96 030922
info@marketpublishers.com

11 KEY DEVELOPMENTS

12 COMPANY PROFILING

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Network Switches Market Forecasts to 2030 – Global Analysis by Switch Type (Managed Switches, Unmanaged Switches, Smart/Hybrid Switches, Power over Ethernet (PoE) Switches and Layer-Based Switches), Switching Capacity, Port Speed, Enterprise Size, End User and By Geography

Product link: https://marketpublishers.com/r/N06C37595B23EN.html

Price: US$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/N06C37595B23EN.html