

# Global Network Bypass Switches Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

According to our (Global Info Research) latest study, the global Network Bypass Switches market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period.

A network bypass switch, also known as a network bypass unit (NBU) or network bypass appliance, is a specialized networking device used to maintain network availability and reliability in situations where network security or performance appliances, such as firewalls, intrusion detection/prevention systems (IDS/IPS), or load balancers, may fail or need maintenance. Network bypass switches provide a fail-safe mechanism by diverting traffic away from these appliances during outages or maintenance events, ensuring uninterrupted network connectivity.

The Global Mobile Economy Development Report 2023 released by GSMA Intelligence pointed out that by the end of 2022, the number of global mobile users would exceed 5.4 billion. The mobile ecosystem supports 16 million jobs directly and 12 million jobs indirectly.

According to our Communications Research Centre, in 2022, the global communication equipment was valued at US\$ 100 billion. The U.S. and China are powerhouses in the manufacture of communications equipment. According to data from the Ministry of Industry and Information Technology of China, the cumulative revenue of telecommunications services in 2022 was ?1.58 trillion, an increase of 8% over the previous year. The total amount of telecommunications business calculated at the price of the previous year reached ?1.75 trillion, a year-on-year increase of 21.3%. In the same year, the fixed Internet broadband access business revenue was ?240.2 billion,

an increase of 7.1% over the previous year, and its proportion in the telecommunications business revenue decreased from 15.3% in the previous year to 15.2%, driving the telecommunications business revenue to increase by 1.1 percentage points.

The Global Info Research report includes an overview of the development of the Network Bypass Switches industry chain, the market status of Railway Communication System (Static Bypass Switch, External Maintenance Bypass Switch), Factory Automation (Static Bypass Switch, External Maintenance Bypass Switch), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Network Bypass Switches.

Regionally, the report analyzes the Network Bypass Switches markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Network Bypass Switches market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Network Bypass Switches market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Network Bypass Switches industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Static Bypass Switch, External Maintenance Bypass Switch).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Network Bypass Switches market.

**Regional Analysis:** The report involves examining the Network Bypass Switches market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour

to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Network Bypass Switches market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Network Bypass Switches:

**Company Analysis:** Report covers individual Network Bypass Switches manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Network Bypass Switches. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Railway Communication System, Factory Automation).

**Technology Analysis:** Report covers specific technologies relevant to Network Bypass Switches. It assesses the current state, advancements, and potential future developments in Network Bypass Switches areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Network Bypass Switches market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Network Bypass Switches market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

## Market segment by Type

%II%Static Bypass Switch

%II%External Maintenance Bypass Switch

Market segment by Application

%II%Railway Communication System

%II%Factory Automation

%II%Power Substation

%II%Others

Major players covered

%II%Keysight Technologies

%II%RAD Group

%II%Schneider Electric

%II%Garland Technology

%II%Gigamon

%II%Niagara Networks

%II%Cubro Network Visibility

%II%Beijer Electronics

%II%Datacom Systems

%II%Advantech

%II%CTC Union Technologies

%II%MAIWE COMMUNICATION

%II%PLANET Technology

%II%Oring

Market segment by region, regional analysis covers

%II%North America (United States, Canada and Mexico)

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

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

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

%II%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 Network Bypass Switches product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Network Bypass Switches, with price, sales, revenue and global market share of Network Bypass Switches from 2018 to 2023.

Chapter 3, the Network Bypass Switches competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Network Bypass Switches breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2017 to 2022. and Network Bypass Switches market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

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 Network Bypass Switches.

Chapter 14 and 15, to describe Network Bypass Switches sales channel, distributors, customers, research findings and conclusion.

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