

## **Self-Organizing Network Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028**

Market Report | 2023-10-15 | 143 pages | IMARC Group

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### **Report description:**

Market Overview:

The global self-organizing network market size reached US\$ 5.3 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 9.6 Billion by 2028, exhibiting a growth rate (CAGR) of 11% during 2023-2028.

A self-organizing network (SON) refers to a mobile network software solution that manipulates complex network operations to deliver enhanced network performance. It is designed for planning, configuring, managing, diagnosing and troubleshooting network errors through advanced automated configurations. A well-designed and efficient SON system can achieve and maintain high levels of network performance by continuously finding improvement patterns, minimizing workload on the network operator and automating various network management processes. Owing to this, it finds extensive application across various sectors, such as e-commerce, advertising, media, entertainment and healthcare.

Rapid urbanization, along with the rising demand for advanced systems to manage network complexities, is one of the key factors driving the growth of the market. The increasing requirements for higher bandwidth spectrum and growing mobile data traffic load on the existing networks have led to the widespread adoption of SONs across the globe. Furthermore, the virtualization of mobile networks is also providing a boost to the market growth. SONs are increasingly being deployed with cloud-based Network Functions Virtualization (NFV) models and software-defined networking (SDN) systems by telecom service providers, which aid in creating virtual, flexible and cost-effective mobile networks. Various technological advancements, such as the integration with the 5G spectrum and the Internet of Things (IoT) that aid in network management, fault management and optimizing coverage, capacity and network performance, are acting as another growth-inducing factor. Other factors, including significant improvements in the information technology (IT) infrastructure, along with extensive investments in the telecommunication sector, are projected to drive the market further.

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#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global self-organizing network market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on offering, network infrastructure, architecture, network technology and application.

#### Breakup by Offering:

- Software
- Services

#### Breakup by Network Infrastructure:

- Core Network
- Radio Access Network
- Backhaul
- Wi-Fi

#### Breakup by Architecture:

- Centralized Self-Organizing Networks
- Distributed Self-Organizing Networks
- Hybrid Self-Organizing Networks

#### Breakup by Network Technology:

- 2G/3G
- 4G/LTE
- 5G

#### Breakup by Application:

- Speech Coding
- Authentication and Network Security
- Wireless Application Protocol
- Application in 3G System
- Intermachine Communication
- Global Positioning System
- Gaming
- Others

#### Breakup by Region:

- North America
  - United States
  - Canada
- Asia Pacific
- China

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Japan  
India  
South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Airhop Communications Inc., Airspan Networks Inc., Amdocs Inc., Cellwize Wireless Technologies Pte Ltd., Cisco Systems Inc., Comarch SA, Ericsson, Huawei Technologies Co. Ltd., Nokia, Qualcomm Incorporated, Siemens Aktiengesellschaft, Teoco Corporation, Viavi Solutions Inc., ZTE Corporation, etc.

#### Key Questions Answered in This Report:

How has the global self-organizing network market performed so far and how will it perform in the coming years?  
What are the key regional markets?  
What has been the impact of COVID-19 on the global self-organizing network market?  
What is the breakup of the market based on the offering?  
What is the breakup of the market based on the network infrastructure?  
What is the breakup of the market based on the architecture?  
What is the breakup of the market based on the network technology?  
What is the breakup of the market based on the application?  
What are the various stages in the value chain of the industry?  
What are the key driving factors and challenges in the industry?  
What is the structure of the global self-organizing network market and who are the key players?  
What is the degree of competition in the industry?

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