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USP OF THIS REPORT
Benchmarking With Other Publishers

DATA POINTS
2134
Exhaustive coverage of data points including segments and sub-segments; we offer the most detailed dissection of the market.

NO. OF TABLES
195
A combination of multiple dimensions and dynamics in the form of quants, a third-level crisscrossing of multiple segments and estimations through factor analysis.

MAJOR COUNTRIES
13
Global study with data points from major contributing regions and key countries.

QUALITATIVE COVERAGE
Overall indicatives for market movements throughout the value and supply chain, including regulations, consumer behavior, cost analysis, and product benchmarking.

COMPETITOR ANALYSIS
10
In-depth profiles of key market players with a focus on financial information, product/service portfolios, recent developments, and strategies.

EXPERT INTERVIEWS
35
Supply-side interviews, demand-side interviews, key opinion leaders, and industry experts

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Data Estimations Insights RoadMap
Intent-Based Networking Market Research Report - Forecast to 2027

Report / Search Code: MRFR/SEM/5381-HCR  
Publish Date: February, 2021

Price

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<td>1-user PDF : $ 4950.0</td>
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<td>Enterprise PDF : $ 7250.0</td>
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Description:

Intent-Based Networking Market Synopsis

The Intent-Based Networking Market Size is expected to grow by 42%. Intent-based is a smart system that automates business with networking and artificial intelligence. With the intent base of technology, plenty of businesses gain benefit. The IT industry has the highest adoption of networking based software. These industries can fully optimize the workplace and improve coordination. There are various benefits of networking such as structuring, arranging, programming and improving accessibility. Also, IBN offers agility and speed in any organisation. Enterprises can now realign the networking infrastructure to gain better returns.

Various segments in the intent-based networking market receive immense demand. IT and telecom are the crucial industries that have more requirements for intent-based networking. Most businesses have complex tasks these days. Many sophisticated applications bring automation to businesses. Further, the cloud option of intent-based networking offers massive data storage. In many regions, both medium and large scale business is rapidly developing. It is leading to high demand for automation and high-speed networking in organisations. These factors will raise Intent Based Networking Market value by 4,908.5 million in the year 2023.

COVID ANALYSIS

The global intent-based networking market is affected by the covid 19 pandemic. Like any other industry, this market has plenty of difficulties during this period. This spread of the virus is tough for businesses from the economic end. In many regions, the economic crisis is leading to immense revenue losses. New projects in the intent-based networking market have come to a halt. The deployment of intent-based networking software and services are allowed down in this period.

Most of the business has shut down their activities according to governmental rules. The lockdowns and restrictions are affecting the production and deployment process of the intent-based networking market. Many businesses are enabling work from home to carry out operations. However, this business scenario is not profitable for the intent-based networking market. Still, the networking of businesses is increasing every year. More adoption of intent-based networking is expected in the upcoming years. The pandemic is causing a declining trend for the intent-based...
networking market. However, post covid effects of the market are expected to be positive.

**Market Dynamics**

**Crucial Market Drivers**

The rising internet of businesses for automation and smooth networking is a crucial driver of the intent-based networking market. There are high-end innovations such as machine learning, AI and advanced network systems that incline the interest of business toward IBN. This intent-based programming is suitable for both medium and large businesses. These developments will lead to several cost benefits for the organizations.

Embracing these remote systems and gadgets is an advantage for businesses. Designing personalized networking systems is possible for businesses with this technology. Today, many thee cases of data breach is a primary concern for many businesses. These data breaches in business can cause massive revenue loss.

Intent-based networking is an exceptional program that creates personalised networking for a business. With personal networks, it is possible to prevent data breach issues. Organisations can experience secure and safe networking operations. Moreover, network downtime is causing plenty of issues in many businesses. Downtime can occur more often in any public network. However, with intent-based networking, the downtime is less due to personalized networks. The need to reduce network downtime and increase productivity raises the demand for an intent-based networking market.

**Market Growth Opportunities**

The development in network virtualization will boost growth opportunities. Network virtualization is a crucial service in many organisations. Controlling the network is possible with automation and machine learning. These improvements will lead to plenty of growth in intent-based networking. With these features in an intent-based network, many enterprises can manage web traffics. Due to these factors, the adoption of the intent-based is surging.

The rising need for agile networks will enhance the overall development possibilities for the market. These agile networks can increase operational efficiency. These outsourcing trends will grow the overall intent-based networking market in the forecast period. Also, the supportive government policies will bring favourable changes in intent-based networking. Today, many governments encourage enterprises to adopt these technologies. All these factors improve the overall profitability of the intent-based networking market.

**The Market Restraints**

The lack of human intervention is a restraining factor of the intent-based networking market. This network automation increases the dependency of companies on technology. Lack of human intervention may cause some
issues in the intent-based networking market. The intent-based network has many restrictions that can make the operations complex.

Also, this automated network can overlook a security threat and cause issues. These factors create hesitation among the end-users to adopt the technology. Also, today many enterprises use wired and wireless networks. The use of intent-based networking is partial as it is an automated platform. This poor adoption and lack of human intervention can decrease the adoption rate of the intent-based networking market.

**The Market Challenges**

The lack of experts to handle this networking technology is a significant challenge. Many enterprises do not have experts to handle the technology. Even though, intent-based is an automated network it requires human monitoring. Experts are required to modify and customize the platform.

Many staff lacks the technical skills to handle the platform properly. Poor operations can lead to plenty of challenges in the market. The key players are taking a step to create more awareness about the networking operations. However, this significant market challenge can hamper the overall growth rate in the forecast period. Due to fewer experts, adoption and demand can decline in the overall intent-based networking market.

**Cumulative Growth Analysis**

The Intent-Based Networking Market Size is constantly growing due to steady growth. Some factors propel the overall growth in the forecast period. The improvement in network virtualization will bring plenty of developments to the market. Further, the crucial market drivers such as the rising need for automation and personalised networks are driving the growth.

However, the lack of human intervention is a challenging factor of the intent-based networking market. Further, the lack of experts is another retaining factor. The on-cloud segment of the market is witnessing the highest growth. The demand for cloud-based intent will bring profitability to the market. These factors keep the growth trend of the market positive.

**Value Chain Analysis**

North America dominates the overall intent-based networking market. It holds the largest amount of Intent-Based Networking Market Share in the forecast. The presence of intent based networking companies is leading to high growth in this area. Also, it is a technically advanced area among other regions. The adoption of high-end technology is quick in North America.

The transformation of network infrastructure is happening at an exponential pace in this market. Further, the penetration of the internet and developments are massive. Further, governmental support through investments and policies is higher. Also, the emergence of artificial intelligence is impacting the overall region positively.

**Segment Overview**
By Component Type

- Networking hardware components
- Software
- Service

By Deployment Model

- On-premise
- On cloud

By Application

- Healthcare
- Government
- Manufacturing
- Telecomm
- Government
- Defence
- BSFI

By Vertical

- Construction
- Building
- Telecomm
- Health care

Competitive Landscape

The competition in intent-based networking is moderate. However, with the new entry of key players, the competition will increase. There are plenty of key market players who take plenty of initiatives in the intent-based networking market.

The deployment of the market is made even easier for enterprises. Also, the technical advances and product variations will bring more advancement to the market. Further, market expansion and partnerships will be higher in the market.

Regional Analysis

The key regions of the market are fragmented into Asia Pacific, Europe and North America. North America will dominate the market with more than 60% of the shares. The usage of intent is massive in this region. The investments in R&D for the market are high in North America.
The Asia Pacific is the next largest in the intent-based networking market. The Asia Pacific has the fastest growth. Also, it is a region that has favourable governmental initiatives that will drive more demand in the Asia Pacific region. The amount of small and large industries is higher in Asia Pacific. It will contribute to the maximum adoption rate of the market.

**The key players of the intent-based networking market are**

- Waltz Networks
- Networks, Inc
- Mode Group
- Anuta Networks
- Huawei Technologies Co., Ltd
- Intentionet
- Apstra, Inc
- Juniper Networks, Inc
- Veriflow Systems, Inc

**Recent Developments**

The key players of the market are increasing the new training and development programs in the market. These development programs will enhance the networking operations through the system.

The key players are introducing wireless and wired intent-based networking for common users.

**Market Overview**

1. Market overview highlights
2. Analysis based upon COVID 19
3. Explanation upon the Market Dynamics
4. Value chain analysis
5. Market segmentation overview
6. The regional analysis
7. Competitive landscape analysis
8. Recent Developments
Global Intent-Based Networking (IBN) Market

Globally, the intent-based networking (IBN) market is expected to grow from USD 634.5 million in 2017 to USD 4,908.5 million by 2023, at a CAGR of 42% during the forecast period.

**By Application:**
- Data Center
- Remote Office
- Cloud

**By Component:**
- Hardware
- Software
- Services

**By End-User:**
- BFSI
- IT and Telecommunication

**By Region:**
- North America
- Europe
- Asia-Pacific
- Rest of the World

**Global Intent-Based Networking (IBN) Market Share, By Region**

**Drivers:**
- The increasing security concerns related to data breach over the network.
- Increasing number of IoT devices.

**Key Players:**
- Cisco Systems Inc. (US)
- Agilita Inc. (US)
- Veriflow Systems (US)
- Huawei Technologies Co Ltd (China)
- Juniper Networks Inc (US)
- Cerium Networks (US)
- Phunbus Networks (US)
- Forward Networks Inc (US)
- Aseara Networks (US)
- Indeni Ltd (US)
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