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Network Management Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Component (Solutions, Services), By Deployment (On-premise, Cloud-based), By Enterprise (Large Enterprises, SMEs), By Region & Competition, 2021-2031F

https://marketpublishers.com/r/NC62DB3E4EE3EN.html
Date: January 2026
Pages: 180
Price: US$ 4,500.00 (Single User License)
ID: NC62DB3E4EE3EN

Abstracts

The Global Network Management Market is projected to experience robust growth, rising from USD 11.87 Billion in 2025 to USD 21.87 Billion by 2031, representing a Compound Annual Growth Rate (CAGR) of 10.72%. Network management involves the administrative processes required to provision, discover, monitor, and maintain computer networks to guarantee their optimal performance and availability. This market expansion is primarily driven by the urgent need for real-time visibility into complex IT infrastructures and the widespread adoption of cloud architectures. Furthermore, the surging volume of data traffic and the rapid proliferation of connected devices are creating a strong demand for robust oversight tools. As noted by the International Telecommunication Union, the global online population was estimated at 5.5 billion in 2024, emphasizing the immense scale of connectivity that enterprises must manage to ensure continuous service delivery.

Despite these positive indicators, the market confronts a significant hurdle due to the increasing complexity of cyber threats, which adds layers of difficulty to network administration. As organizations transition toward hybrid environments, the task of securing vast, decentralized endpoints against breaches becomes increasingly challenging, often overextending resources. This security burden can impede the seamless deployment of comprehensive management solutions, as teams struggle to balance protection with optimization.

Market Driver

The integration of Artificial Intelligence and Machine Learning for Autonomous Network Operations is fundamentally transforming the Global Network Management Market by shifting administrative approaches from reactive troubleshooting to predictive resolution. Because modern networks produce unmanageable volumes of telemetry data, traditional manual monitoring has become insufficient, necessitating the deployment of algorithms that can autonomously detect anomalies and optimize performance in real time. This technological shift significantly lowers the financial risks associated with service interruptions and security incidents, prompting organizations to embed intelligence into their oversight frameworks. For instance, IBM's 'Cost of a Data Breach Report 2025' released in July 2025 indicates that organizations extensively using AI tools reduced their breach lifecycle by 80 days and saved an average of nearly $1.9 million compared to those without AI, illustrating the clear efficiency gains driving adoption.

Additionally, the proliferation of IoT endpoints and the expansion of 5G network ecosystems are accelerating market demand by exponentially increasing the density and diversity of connected assets. The rollout of high-speed 5G infrastructure supports a massive array of industrial and consumer devices, resulting in intricate environments that require granular, real-time oversight to ensure connectivity and compliance. According to the 'Ericsson Mobility Report' from June 2025, total cellular IoT connections are expected to reach approximately 4.5 billion by the end of 2025, highlighting the sheer scale of endpoints requiring simultaneous management. To maintain visibility across these growing digital footprints, enterprises are rapidly increasing their financial commitments to network assurance; Dynatrace reported in 2025 that 70% of global organizations boosted their observability budgets to better manage these complex, distributed environments.

Market Challenge

The increasing complexity of cyber threats acts as a primary restraint on the growth of the network management market. As organizations increasingly operate within hybrid environments, the necessity of securing decentralized endpoints complicates the administration of IT infrastructures. This challenging landscape compels enterprises to divert substantial financial and operational resources toward defensive security measures rather than investing in broader network management and optimization tools. Consequently, the deployment of comprehensive oversight solutions is frequently delayed or deprioritized as IT departments concentrate on mitigating immediate vulnerabilities and preventing breaches.

This strain on resources is corroborated by recent industry data highlighting the rising volume of security incidents. According to ISACA, 38 percent of enterprises reported an increase in cyberattacks in 2024 compared to the previous year. This escalation in threat frequency necessitates that organizations allocate a significant portion of their technical workforce and budget solely to threat containment and risk mitigation. This diversion of resources limits the capacity of enterprises to adopt advanced network management systems, thereby directly slowing the overall growth trajectory of the market.

Market Trends

The unification of hybrid and multi-cloud network management platforms is becoming a dominant trend as enterprises navigate the operational complexities of distributed IT ecosystems. Organizations are advancing beyond simple cloud adoption to orchestrate workloads across diverse public clouds, on-premises data centers, and edge locations, necessitating a consolidated management plane to ensure consistent policy enforcement and visibility. This shift is driven by the reality that modern application portfolios are rarely isolated in a single environment, compelling IT leaders to seek tools that bridge infrastructure gaps. According to F5?s '2025 State of Application Strategy Report' from April 2025, 94% of organizations are deploying applications across multiple environments?including public clouds, private clouds, and on-premises facilities?underscoring the urgent market requirement for platforms that can seamlessly integrate these disparate infrastructures.

Simultaneously, the convergence of Network and Security Operations (NetSecOps) is fundamentally altering administrative hierarchies and tool procurement strategies. To combat sophisticated threats and streamline operations, enterprises are merging previously distinct Network Operations Centers (NOC) and Security Operations Centers (SOC), placing the responsibility for securing connected assets directly under executive security leadership. This integration fosters a more proactive defense posture and eliminates the inefficiencies of fragmented vendor landscapes, allowing for faster incident response times across the network. According to Fortinet?s '2025 State of Operational Technology and Cybersecurity Report' published in July 2025, 52% of organizations now place operational technology security under the CISO, a significant rise from previous years that underscores the strategic consolidation of network and security oversight functions.

Key Market Players

Cisco Systems, Inc.

Juniper Networks, Inc.

Huawei Technologies Co., Ltd.

IBM Corporation

ZTE Corporation

Extreme Networks, Inc.

Arista Networks, Inc.

Dell Technologies, Inc.

Hewlett Packard Enterprise Company

Ciena Corporation

Report Scope

In this report, the Global Network Management Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

- Network Management Market, By Component
  - Solutions
  - Services
- Network Management Market, By Deployment
  - On-premise

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- Cloud-based

Network Management Market, By Enterprise

- Large Enterprises
- SMEs

Network Management Market, By Region

- North America
  - United States
  - Canada
  - Mexico
- Europe
  - France
  - United Kingdom
  - Italy
  - Germany
  - Spain
- Asia Pacific
  - China
  - India
  - Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Network Management Market.

Available Customizations:

Global Network Management Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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