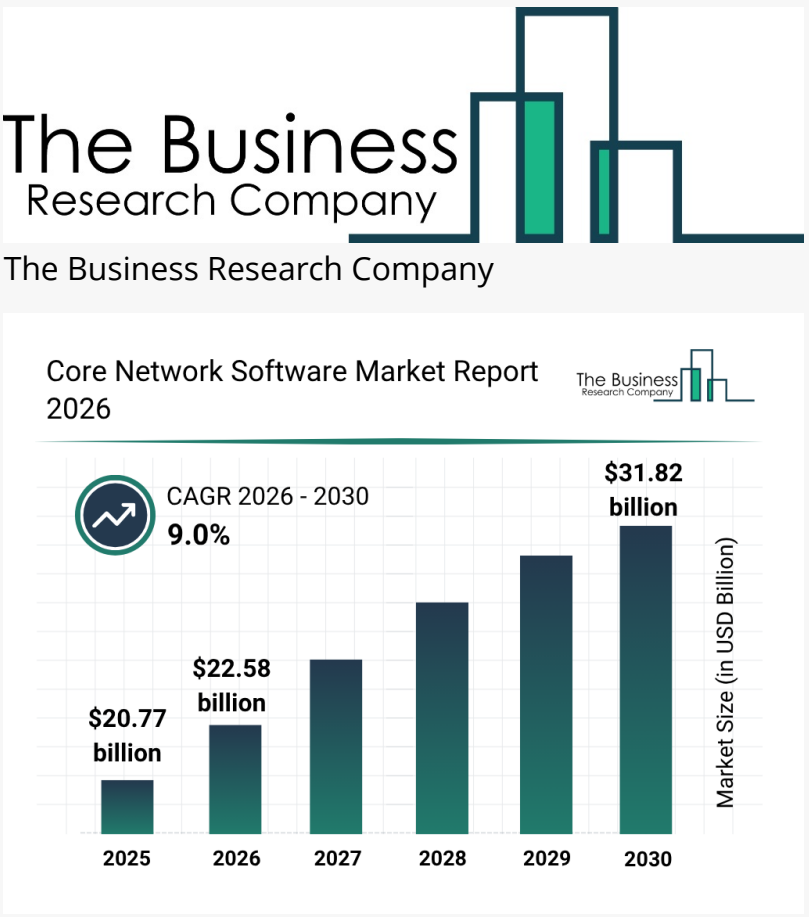
Core Network Software Market Forecast To Hit $31.82Billion By 2030 Amid Strong Industry Growth

The Business Research Company's Core Network Software Global Market Report 2026 – Market Size, Trends, And Forecast 2026-2035

The Business Research Company



Core Network Software Market research

LONDON, GREATER LONDON, UNITED KINGDOM, October 1, 2026 /EINPresswire.com/ -- The core network software market has witnessed significant growth recently, reflecting the evolving needs of modern telecommunications. With increasing demand for advanced network management and scalability, this sector is set to expand further, fueled by technological advancements and shifting industry requirements. Below is an overview of the market size, key growth drivers, regional trends, and the factors shaping its future.

Core Network Software Market Size and Projected Growth

The core network software market has demonstrated solid growth over recent years. It is expected to increase from $20.77 billion in 2025 to $22.58 billion in 2026, marking a compound annual growth rate (CAGR) of 8.7%. This past growth period was largely influenced by the prevalence of legacy circuit-switched infrastructures, manual network provisioning, siloed operations, limited virtualization use, monolithic telecom core setups, and basic rule-based routing and policy management systems.

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Looking ahead, the market is poised for accelerated expansion, predicted to reach $31.82 billion by 2030 with a CAGR of 9.0%. This growth will be driven by broader adoption of network function virtualization, escalating demand for scalable 5G and future network generations, expansion of autonomous network orchestration, increased edge distributed architectures, and the integration of zero trust security frameworks. Key trends expected during this period include embracing software-defined core networks, modernization of legacy cores, IP transition strategies, telecom API standardization, open network interoperability, real-time traffic engineering, quality of service (QoS) optimization, and enhanced fraud prevention and subscriber identity systems.

Understanding Core Network Software and Its Role
Core network software consists of a suite of applications and platforms designed to manage, orchestrate, and operate service provider IP networks. It supports critical network functions such as routing, switching, enforcing policies, optimizing traffic, and managing subscribers. This software ensures the network's reliability, scalability, and security, while enabling advanced capabilities like 5G deployment, edge computing, and network virtualization. Consequently, it plays a vital role in improving operational efficiency and service delivery across complex communication infrastructures.

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Key Factors Boosting the Core Network Software Market
One of the main forces driving the core network software market is the rapid increase in data traffic and the number of mobile subscribers. The volume of data consumed on mobile networks is surging as more users connect and rely on high-speed broadband for data-intensive activities like video streaming, cloud services, and real-time digital platforms. Core network software efficiently manages and routes this growing data flow, while also handling subscriber authentication, secure access, billing, and maintaining seamless communication.

For instance, in January 2024, the UK communications regulator, Office of Communications, reported that average monthly mobile data usage per user reached 9.6 GB in the second quarter of 2023, representing a 19% increase year-over-year. Meanwhile, total mobile data traffic rose by 27% during the same period, largely due to an expanding mobile user base. This exponential growth in data demand and subscriber numbers is a significant catalyst for the core network software market's expansion.

Emerging Regional Dynamics in the Core Network Software Market
In 2025, Asia-Pacific emerged as the largest regional market for core network software.

Moreover, this region is projected to experience the fastest growth throughout the forecast period. The market report considers several regions, including Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa, providing a comprehensive view of global market trends and regional opportunities.

New analytical features added to our 2026 market reports:

• Market attractiveness scoring and analysis
• Total addressable market (TAM) analysis
• Company scoring matrix graphics and tables
• Excel-based forecasting dashboards
• Market hotspots infographics
• Key technologies and future trend analysis
• Updated graphics and tables

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