+357 96 030922
info@marketpublishers.com

Telecom Fraud Management Market Forecasts to 2032 – Global Analysis By Component (Software and Services), Fraud Type, Deployment Model, Organization Size, Application and By Geography

https://marketpublishers.com/r/TC0D75D91AB5EN.html
Date: January 2026
Pages: 200
Price: US$ 4,150.00 (Single User License)
ID: TC0D75D91AB5EN

Abstracts

According to Stratistics MRC, the Global Telecom Fraud Management Market is accounted for $7.6 billion in 2025 and is expected to reach $16.8 billion by 2032 growing at a CAGR of 12% during the forecast period. Telecom Fraud Management refers to the comprehensive set of strategies, tools, and processes that telecommunications companies use to detect, prevent, and mitigate fraudulent activities within their networks. It involves monitoring call patterns, data usage, and financial transactions to identify suspicious behavior, such as subscription fraud, SIM card cloning, identity theft, or international revenue share fraud. By leveraging real-time analytics, machine learning, and automated alerts, telecom operators can minimize revenue losses, protect customers, and ensure regulatory compliance. Effective fraud management also enhances network security, customer trust, and operational efficiency, making it a critical component of modern telecom operations.

Market Dynamics:

Driver:

Escalating financial losses due to fraud

Service providers need advanced fraud management systems that detect and prevent subscription and payment-related fraud. Modernized platforms enable real-time monitoring, predictive analytics, and automated alerts to reduce risks. Vendors are embedding AI-driven tools to strengthen detection accuracy and responsiveness. Rising

+357 96 030922
info@marketpublishers.com

demand for financial protection is amplifying adoption across global telecom ecosystems. Escalating fraud losses are positioning fraud management solutions as a decisive safeguard for revenue assurance in telecom markets.

Restraint:

Integration challenges with legacy infrastructure

Existing IT systems often lack compatibility with modern fraud detection platforms. Smaller firms face higher risks compared to incumbents with larger budgets. High costs and technical barriers further slow modernization initiatives. Vendors are introducing modular frameworks and APIs to ease integration burdens. Persistent infrastructure challenges are reshaping deployment strategies and making interoperability a critical success factor.

Opportunity:

Expansion in emerging 5G networks

Next-generation connectivity requires advanced safeguards to protect against evolving fraud risks. Advanced platforms enable real-time analytics, automated prevention, and adaptive monitoring across high-speed networks. Vendors are deploying AI-driven solutions to address new fraud risks associated with 5G services. Rising investment in next-generation connectivity is amplifying demand for robust fraud management frameworks. Growth in 5G networks is redefining fraud management as a proactive enabler of secure digital transformation.

Threat:

Regulatory and data privacy compliance complexities

Global mandates impose stricter requirements on how customer data is stored and processed. Smaller providers struggle to maintain compliance compared to incumbents with larger resources. Regulatory frameworks add delays to deployment and increase operational costs. Vendors are embedding encryption, anonymization, and compliance features to strengthen trust. Rising compliance complexities are shifting competitive advantage toward providers that embed resilience into fraud management systems.

Covid-19 Impact:

+357 96 030922
info@marketpublishers.com

The Covid-19 pandemic accelerated demand for telecom fraud management as digital service usage surged. On one hand, disruptions in workforce and supply chains slowed modernization projects. On the other hand, rising demand for secure digital transactions boosted adoption of fraud management platforms. Enterprises increasingly relied on real-time monitoring and automated detection to sustain operations during volatile conditions. Vendors embedded advanced analytics and compliance features to strengthen resilience. The pandemic underscored fraud management as a vital enabler of trust and continuity in telecom ecosystems.

The subscription fraud segment is expected to be the largest during the forecast period

The subscription fraud segment is expected to account for the largest market share during the forecast period, driven by demand for solutions that prevent identity theft and unauthorized access. Enterprises are embedding subscription fraud detection into workflows to strengthen compliance and reduce losses. Vendors are developing solutions that integrate real-time monitoring, predictive analytics, and automated alerts. Rising demand for secure onboarding processes is amplifying adoption in this segment. Enterprises view subscription fraud management as critical for sustaining consumer trust and operational integrity. Subscription fraud solutions are becoming the frontline defense against revenue leakage in telecom markets.

The payment security segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the payment security segment is predicted to witness the highest growth rate, supported by rising demand for secure digital transactions. Telecom operators increasingly require fraud management systems that protect payment gateways and mobile wallets. Vendors are embedding AI-driven monitoring and encryption into workflows to strengthen responsiveness. SMEs and large institutions benefit from scalable solutions tailored to diverse payment ecosystems. Rising investment in secure transaction frameworks is amplifying demand in this segment. Payment security solutions are evolving into a strategic pillar for safeguarding financial integrity in telecom services.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share by mature telecom infrastructure and strong enterprise adoption of fraud

+357 96 030922
info@marketpublishers.com

management frameworks. Operators in the United States and Canada are leading investments in advanced fraud detection platforms. The presence of major technology providers further strengthens regional dominance. Rising demand for compliance with data privacy regulations is amplifying adoption across industries. Vendors are embedding advanced analytics and automation to differentiate offerings in competitive markets. North America’s leadership is defined by its ability to merge innovation with regulatory discipline in telecom fraud management.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, fueled by rapid digitalization, expanding mobile penetration, and government-led connectivity initiatives. Countries such as China, India, and Southeast Asia are investing heavily in fraud management systems to support telecom growth. Local startups are deploying cost-effective solutions tailored to diverse consumer bases. Enterprises are adopting AI-driven and cloud-native platforms to strengthen scalability and meet compliance expectations. Government programs promoting digital transformation are accelerating adoption. Asia Pacific’s growth is being shaped by evolving fraud risks making it the most adaptive hub for telecom fraud management innovation.

Key players in the market

Some of the key players in Telecom Fraud Management Market include Amdocs Ltd., Subex Ltd., Mobileum Inc., Tata Consultancy Services Ltd., Tech Mahindra Ltd., Ericsson AB, Nokia Corporation, Huawei Technologies Co., Ltd., NEC Corporation, IBM Corporation, Hewlett Packard Enterprise Company, FICO (Fair Isaac Corporation), TEOCO Corporation, Araxxe SAS and WeDo Technologies.

Key Developments:

In January 2026, Subex completed the acquisition of the Security Analytics Fabric (SAF) technology assets from a niche cybersecurity firm to bolster its AI-driven threat detection engine. This integration enhanced the ROC platform's ability to identify new and adaptive fraud vectors.

In April 2024, Amdocs expanded its strategic collaboration with Microsoft to integrate Microsoft Azure OpenAI Service and Amdocs' data platform, enhancing AI-driven fraud detection and security capabilities for communication service providers (CSPs).

+357 96 030922
info@marketpublishers.com

Components Covered:

- Software
- Services

Fraud Types Covered:

- Subscription Fraud
- Identity & Account Fraud
- SIM Box Fraud
- International Revenue Share Fraud
- Roaming Fraud
- Mobile Money Fraud
- Other Fraud Types

Deployment Models Covered:

- On-Premise
- Cloud

Organization Sizes Covered:

- Small & Medium Enterprises
- Large Enterprises

Applications Covered:

+357 96 030922
info@marketpublishers.com

- Revenue Protection
- Identity Verification
- Payment Security
- Network Monitoring
- Regulatory Compliance
- Partner Fraud Management
- Other Applications

Regions Covered:

- North America
  - US
  - Canada
  - Mexico
- Europe
  - Germany
  - UK
  - Italy
  - France
  - Spain
  - Rest of Europe

+357 96 030922
info@marketpublishers.com

- Asia Pacific
  - Japan
  - China
  - India
  - Australia
  - New Zealand
  - South Korea
  - Rest of Asia Pacific
- South America
  - Argentina
  - Brazil
  - Chile
  - Rest of South America
- Middle East & Africa
  - Saudi Arabia
  - UAE
  - Qatar
  - South Africa
  - Rest of Middle East & Africa

+357 96 030922
info@marketpublishers.com

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

10 GLOBAL TELECOM FRAUD MANAGEMENT MARKET, BY GEOGRAPHY

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Telecom Fraud Management Market Forecasts to 2032 – Global Analysis By Component (Software and Services), Fraud Type, Deployment Model, Organization Size, Application and By Geography

Product link: https://marketpublishers.com/r/TC0D75D91AB5EN.html

Price: US$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/TC0D75D91AB5EN.html