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Iot In Public Safety Market Outlook 2025-2034: Market Share, and Growth Analysis By Type (Surveillance Systems, Incident Management and Response, Disaster Management, Security Systems, Other Types), By Component (Software, Hardware, Services), By End User

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Abstracts

The Iot In Public Safety Market is valued at USD 4.9 billion in 2025 and is projected to grow at a CAGR of 19.7% to reach USD 24.8 billion by 2034.The IoT in Public Safety Market focuses on integrating connected devices, sensors, and data platforms to improve emergency response, situational awareness, and operational coordination among public safety agencies. By linking surveillance cameras, environmental monitors, smart streetlights, wearable tech, and connected vehicles, IoT enables real-time data collection and analysis for faster, more informed decision-making. Applications span law enforcement, fire services, emergency medical response, and disaster management. Through geolocation tracking, predictive analytics, and remote alerts, IoT enhances visibility into unfolding events, enabling agencies to mitigate threats, streamline resource allocation, and respond proactively to crises. As urban populations grow and security risks become more complex, IoT is playing an increasingly vital role in creating safer, more responsive communities. IoT adoption in public safety surged, with municipalities, first responders, and government agencies deploying connected systems to improve preparedness and accountability. Smart surveillance systems with AI-based facial recognition and crowd detection were used at large public events and transportation hubs. Fire departments implemented IoT-based thermal sensors and air quality monitors for early fire detection and hazardous condition assessment. Police forces adopted body-worn cameras with real-time video streaming and geotagging. Emergency response centers used integrated command platforms combining data from

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drones, traffic systems, and citizen alerts. Several cities piloted connected emergency lighting and signage that respond automatically to incidents. Interoperability between IoT systems and legacy infrastructure remained a key focus, supported by federal grants and public-private partnerships. The IoT in public safety market will evolve with expanded use of AI-driven incident prediction, autonomous patrol units, and integrated emergency response frameworks. Predictive analytics will analyze historical crime, weather, and mobility data to forecast high-risk scenarios. Smart infrastructure will automate threat detection and activate targeted emergency responses—from redirecting traffic to notifying citizens. Real-time collaboration between agencies will be enhanced through shared IoT dashboards and secure data exchange protocols. Next-gen drones, robots, and wearables will support situational intelligence in hazardous environments such as natural disasters or industrial accidents. Privacy and data ethics will become central to public safety IoT deployments, driving the adoption of anonymization, consent management, and transparent data governance policies.

Key Insights Iot In Public Safety Market

OG Analysis highlights the deployment of AI-enhanced surveillance systems that detect anomalies, identify suspects, and recognize crowds or vehicles in real time for rapid response and public event security.

Body-worn IoT devices are trending, enabling officers and emergency responders to stream live video, monitor biometrics, and transmit location data to command centers during active incidents.

According to OG Analysis, smart environmental sensors are being deployed to detect fires, toxic gas leaks, or radiation exposure, improving early warnings and situational awareness in urban and industrial zones.

Integration of IoT with 911 dispatch and emergency response platforms is rising, allowing faster deployment of units based on real-time data from cameras, alarms, or mobile citizen reports.

Drone-based monitoring is expanding in public safety use cases, including crowd control, disaster area mapping, and delivering first aid supplies to inaccessible or hazardous areas.

OG Analysis identifies increasing urbanization and population density as key drivers pushing governments to adopt IoT technologies to ensure responsive,

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data-driven public safety management.

Rising threats from natural disasters, terrorism, and civil unrest are prompting investments in real-time monitoring systems that enhance emergency preparedness and rapid response, says OG Analysis.

OG Analysis notes that public demand for transparent policing and better emergency services is fueling adoption of body cams, live dashboards, and integrated command systems supported by IoT infrastructure.

Availability of government funding and smart city initiatives is accelerating the deployment of IoT for public safety, particularly in mid-size and large urban centers seeking modernization.

OG Analysis highlights the complexity of integrating IoT systems with existing legacy infrastructure used by law enforcement, fire departments, and EMS, often resulting in data silos or communication delays.

According to OG Analysis, data privacy and surveillance ethics remain major concerns, especially with real-time facial recognition and tracking technologies that may infringe on civil liberties without proper governance.

Iot In Public Safety Market Segmentation

By Type

- Surveillance Systems
- Incident Management and Response
- Disaster Management
- Security Systems
- Other Types

By Component

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Software

Hardware

Services

By End User

Government and Public Sector

Transportation

Healthcare

Retail

Education

Manufacturing

Other End User

Key Companies Analysed

International Business Machines Corporation

Hitachi Vantara Corporation

NEC Corporation

Microsoft Corporation

Cisco Systems Inc.

Sierra Wireless

Telit Communications Ltd.

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Intrado Life & Safety Inc.

Nokia Networks

ThroughTek Co. Ltd.

Kontron d. o. o.

Intellivision

Star Controls Engineering Co. Ltd.

Huawei Technologies Co. Ltd.

Securens Systems Pvt. Ltd.

Intel Corporation

Kova Group Ltd.

Esri Inc.

Tibbo Systems

Endeavour Technology Ltd.

X-Systems Inc.

Yardarm Technologies Inc.

CityShob Software LTD.

Aeris Communications India Pvt. Ltd.

Caverion Corporation

Dallmeier Electronic GmbH & Co.

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Digital Barriers

Elbit Systems Ltd.

Telefonaktiebolaget LM Ericsson

Genetec Inc.

Honeywell International Inc.

Iot In Public Safety Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Iot In Public Safety Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Iot In Public Safety market data and outlook to 2034

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United States

Canada

Mexico

Europe — Iot In Public Safety market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Iot In Public Safety market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

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Malaysia

Vietnam

Middle East and Africa — Iot In Public Safety market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Iot In Public Safety market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Iot In Public Safety value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

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What is the current and forecast market size of the Iot In Public Safety industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Iot In Public Safety Market Report

Global Iot In Public Safety market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Iot In Public Safety trade, costs, and supply chains

Iot In Public Safety market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Iot In Public Safety market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Iot In Public Safety market trends, drivers, restraints, and opportunities

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Porter’s Five Forces analysis, technological developments, and Iot In Public Safety supply chain analysis

Iot In Public Safety trade analysis, Iot In Public Safety market price analysis, and Iot In Public Safety supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Iot In Public Safety market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

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