

Unmanned Traffic Management Market Size & Share Analysis - Growth Trends and Forecast (2025 - 2030)

> **Industry:** Drones, UAVs & Urban Air Mobility (Aerospace & Defense)
> **Source:** https://www.mordorintelligence.com/industry-reports/unmanned-traffic-management-market
> **Scraped Date:** 2026-09-17

Executive Market Summary

Market Metric	Details
Base Market Size	USD 241.15 million
Projected Forecast (2031)	USD 241.15 million
Growth Rate (CAGR)	31.15 %
Largest Market Region	N/A
Fastest-Growing Region	N/A

Market Visualizations & Infographics

! [Major players in Unmanned Traffic Management industry] (images/chart_2.png)

! [Unmanned Traffic Management Market Size] (images/chart_3.png)

! [Unmanned Traffic Management Market Share by Component, 2024] (images/chart_4.png)

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Comprehensive Research Analysis

Overview Points List Flex 49 Share Feature End

Market Overview

Study Period	2019 - 2030
Market Size (2025)	USD 241.15 Million
Market Size (2030)	USD 935.60 Million
Growth Rate (2025 - 2030)	31.15 %
Fastest Growing Market	Asia Pacific
Largest Market	North America

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Market Overview

Unmanned Traffic Management Market Analysis by Mordor IntelligenceThe unmanned traffic management (UTM) market was valued at USD 241.15 million in 2025 and is forecasted to reach USD 935.62 million by 2030, reflecting a 31.15% CAGR. The acceleration reflects a structural pivot in the UTM industry: regulators, telecom carriers, and logistics brands now bankroll full-scale digital air-traffic services rather than isolated pilot projects. Growing volumes of live telemetry prove that coordinated unmanned airspace management lowers incident rates even as flight densities climb, prompting insurers to offer attractive cover. Insurers' willingness to underwrite larger drone fleets sharply reduces operator risk premiums, strengthening investor confidence in subscription-based airspace-data revenues. In parallel, procurement teams increasingly favour end-to-end platforms over stand-alone sensors, reinforcing the importance of integrated software stacks in the overall UTM market size expansion.

North America has the largest UTM market share, anchored by clear Federal Aviation Administration roadmaps and a robust venture-capital ecosystem. Asia-Pacific, however, is delivering the steepest incremental growth as city governments frame low-altitude airspace as a strategic economic resource. Cloud-native UTM platforms are maturing as middle-mile drone logistics scale, creating a reinforcing cycle between flight demand and digital oversight demand. Public grants, private equity, and telecom-tower upgrades appear side-by-side in municipal infrastructure budgets, demonstrating that UTM has moved from niche aviation concept to mainstream smart-city priority. If urban air-mobility corridors open on schedule, UTM industry revenues could surpass several adjacent aerospace segments before the decade closes.

Key Report Takeaways

- * By component, software led with 40.14% of UTM market share in 2024; services are projected to post the highest 21.58% CAGR through 2030.
- * By solution type, communication infrastructure led with 48.91% of UTM market share in 2024; navigation infrastructure is projected to post the highest 23.51% CAGR through 2030.
- * By altitude, below 200 ft accounted for 52.10% of the UTM market size in 2024, while 200 – 400 ft is poised to expand at a 21.56% CAGR to 2030.
- * By end-use, logistics and transportation accounted for 31.27% of the UTM market size in 2024, while urban air mobility (UAM) is poised to expand at a 30.20% CAGR to 2030.
- * By service type, flight-information services held a 25.59% share of the UTM market in 2024; security services recorded the fastest 25.12% CAGR.
- * By deployment model, software led with 54.80% of UTM market share in 2024; on-premise is projected to post the highest 26.52% CAGR through 2030.
- * By geography, North America commanded 32.80% of the UTM market in 2024, yet Asia-Pacific exhibits the strongest 28.94% CAGR between 2025 and 2030.

Key Market Trends

Global Unmanned Traffic Management Market Trends and InsightsDrivers Impact Analysis*

Driver | (~)% Impact on CAGR Forecast | Geographic Relevance | Impact Timeline |
Accelerated regulatory mandates for BVLOS drone flights | + 7.8 % | North America

a, Europe, emerging frameworks in Asia | Medium term (2-4 years) |
5G and satellite convergence enabling real-time UAV-to-Cloud communications | + 6.9 % | Global, early in North America, European Union, developed Asia | Medium term (2-4 years) |
Soaring volumes of middle-mile e-commerce and parcel-delivery flights | + 5.6 % | Global urban centers | Short term (≤ 2 years) |
Rapid uptake of drone-based middle-mile logistics by retail majors | + 4.7 % | North America, European Union, China, Japan | Short term (≤ 2 years) |
Defense-to-Commercial technology spill-over in collaborative airspace management | + 3.7 % | North America, Israel, Europe | Medium term (2-4 years) |
Smart-city funding for Urban Air Mobility corridors | + 2.5 % | North America, European Union, China, United Arab Emirates, Singapore | Long term (≥ 4 years) |
Source: Mordor Intelligence |

Competitive Landscape

Competitive Landscape

The supplier mix spans incumbent avionics giants, agile software start-ups, and telecom carriers embedding UTM APIs in 5G cores. Airbus Helicopters expanded unmanned capabilities via targeted acquisitions, while Thales integrates AI modules for predictive traffic sequencing. Partnerships dominate: Aloft collaborates with Terra Drone and Unifly on advanced air-mobility pilots; ANRA aligns with cellular operators to embed native BVLOS coverage.

White-space opportunities remain in payload-aware routing for heavy-lift drones, thermal imagery corridors for wildfire monitoring, and blockchain-secured flight-log attestation. Vendors differentiate through plug-and-play compliance engines that auto-map varying national rules into operator dashboards.

Cyber-resilience is a rising battleground, with NASA prototypes showing ledger-based identity verification for urban air-mobility environments.[4]National Aeronautics and Space Administration, "Blockchain-Enabled Secure Data Exchange for Urban Air Mobility," nasa.gov Providers that achieve third-party certification under ISO/IEC 27001 gain tender preference from utilities and public-safety agencies. As consolidation progresses, the combined share of the top five suppliers approaches 45%, indicating a moderately concentrated field while leaving room for specialised entrants.

Unmanned Traffic Management Industry Leaders* Altitude Angel Ltd.

* OneSky Systems, Inc.

* Thales Group

* Airbus SE

* Unifly (Terra Drone Corporation)

* *Disclaimer: Major Players sorted in no particular order

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Scope Methodology P Space

Our study defines the unmanned traffic management (UTM) market as the suite of software, communication links, ground-based detect-and-avoid hardware, and associated services that orchestrate low-altitude drone flights below 400 ft for civil and commercial purposes. Values reflect revenues captured by suppliers that build and maintain these systems.

Scope exclusion: conventional air-traffic-management solutions for crewed aviation and integrated drone hardware sales are not counted.

Segmentation Container

- * By Component* Hardware* Ground-based Detect and Avoid Systems
- * Remote Identification Devices
- * Communication Infrastructure
- * Software* UTM Platform Software
- * Flight Information Management
- * Airspace Design and Simulation
- * Services* Integration and Deployment
- * Managed Services
- * Support and Maintenance
- * By Solution Type* Communication Infrastructure
- * Navigation Infrastructure
- * Surveillance Infrastructure
- * By Altitude* Below 200 ft
- * 200 to 400 ft
- * By End-use Industry* Logistics and Transportation
- * Agriculture and Forestry
- * Surveillance and Monitoring
- * Energy and Utilities Inspection
- * Emergency and Disaster Management
- * Urban Air Mobility (UAM)
- * By Service Type* Security Services
- * Flight Information Services
- * Network Identification Services
- * Weather Services
- * By Deployment Model* Cloud-based
- * On-premise
- * By Geography* North America* United States
- * Canada
- * Mexico
- * Europe* Germany
- * United Kingdom
- * France
- * Russia
- * Rest of Europe
- * Asia-Pacific* China
- * Japan
- * South Korea
- * India
- * Rest of Asia-Pacific
- * South America* Brazil
- * Rest of South America
- * Middle East and Africa* Middle East* Saudi Arabia
- * United Arab Emirates
- * Israel
- * Rest of Middle East
- * Africa* South Africa

- * Nigeria
- * Rest of Africa

Frequently Asked Questions

What drives current growth in the Unmanned Traffic Management market?

Regulatory progress on BVLOS flights, rising logistics demand, and improved 5G-satellite connectivity underpin the sector's strong CAGR.

How large is the Unmanned Traffic Management market in financial terms?

The 2025 Unmanned Traffic Management market size is USD 241.15 million and is forecasted to reach USD 935.62 million by 2030, reflecting a CAGR of 31.15%.

Which region currently dominates the Unmanned Traffic Management industry?

North America holds the highest Unmanned Traffic Management market share, though Asia Pacific is expanding the fastest.

Why are cloud-based UTM solutions gaining traction?

They offer elasticity, lower upfront costs, and faster updates, meeting operator needs amid evolving regulations.

Which end-use sector generates the most demand today?

Logistics and transportation lead due to escalating middle-mile and last-mile drone delivery volumes.

What barriers could impede market expansion?

Fragmented spectrum policies, costly integration with legacy air-traffic systems, and uneven global standards pose significant challenges.