

Drone Communication Market 2025 Trends: Expected to Grow at a CAGR of 21.4% from 2023 to 2032, Claims AMR

Drone Communication Market: the North America region registered highest market share in 2022, and Asia-Pacific showed the fastest growth during forecast period.

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The market size of drone communication industry was valued at \$2.3 billion in 2022, and is estimated to garner \$15.8 billion by 2032, growing at a CAGR of 21.4% from 2023 to 2032. "

Allied Market Research

Research has recently published a report, titled, "[Drone Communication Market](#) Size, Share, Competitive Landscape and Trend Analysis Report by Method, by Application: Global Opportunity Analysis and Industry Forecast, 2023-2032". According to the report, the global [drone communication](#) market generated \$2.3 billion in 2022, and is anticipated to generate \$15.8 billion by 2032, witnessing a CAGR of 21.4% from 2023 to 2032.

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125 - Tables

51 - Charts

320 - Pages

Prime Determinants of Growth

The rising demand for advanced [drone](#) technology in surveillance, reconnaissance, and various industries, coupled with advancements in satellite and cellular communication technologies, is boosting the growth of the drone communication market. However, the challenges associated with long-distance communication, scalability issues, and computational variability in drones is restraining the market's growth during the forecast period. On the other hand, the increasing adoption of drones for applications in construction, mining, agriculture, and inspection sectors, along with the development of innovative communication solutions, is poised to unlock lucrative market growth opportunities in the future.

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Method: Satellite Sub-Segment to Hold Leading Market Share by 2032

The satellite sub-segment dominated the market in 2022, holding a major share of 28.1%. This sub-segment is expected to hold a leading market share of 29.3% by 2032. This growth is mainly due to increasing demand for reliable and uninterrupted communication beyond line of sight, especially in military applications. Moreover, advancements in satellite technology, offering higher data throughput rates and superior connectivity, are driving the adoption of satellite communication, thereby boosting its market dominance.

Application: Agriculture Sub-Segment to Observe Significant Growth during the Forecast Period

The agriculture sub-segment led the market in 2022, holding a substantial share of 32.0%. This is mainly due to the increasing adoption of drones for precision farming, boosting efficiency and productivity in agricultural operations. Rising demand for real-time crop monitoring and analysis, coupled with the need for optimized resource management, is driving the adoption of drone technology in the agriculture sector.

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By Region: North America to Hold the Leading Market Share in Forecast Period

The North America region dominated the global drone communication market in 2022, holding a major share of 34.3%. The dominance of this region is expected to continue by 2032, growing with a major share of 32.1%. This is mainly due to increasing investments in drone technology, rising demand across diverse sectors such as construction, agriculture, and defense, and driving innovation in communication systems in this region. Additionally, the region's well-established regulatory framework and supportive infrastructure are boosting market growth and fostering a conducive environment for drone operations.

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Leading Players in the Drone Communication Market:

Teal Drones

AgEagle Aerial Systems Inc.

Parrot Drone SAS

AeroVironment, Inc.

DJI

Draganfly Innovations Inc.

Yuneec

Freefly Systems
Skydio, Inc.
Microdrones

Key Findings of the Study

Based on method, the satellite sub-segment accounted for the highest market share in 2022 and the 5G sub-segment is projected to garner fastest growth rate during the analysis timeframe. On the basis of application, the construction & mining sector registered the highest revenue share in 2022 and the inspection sub-segment is anticipated to grow at the highest CAGR during the forecast period.

Based on region, North America accounted for the highest market size in 2022 and Asia-Pacific is anticipated to show the fastest growth during the forecast period.

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