

# Military Antenna Market Set to Reach US\$ 10.0 Billion by 2033, Says Persistence Market Research

*Strong defense funding, next-gen phased-array systems, and secure communication needs are accelerating market growth worldwide.*

LONDON, UNITED KINGDOM, March 4, 2026 /EINPresswire.com/ -- The global [military antenna market](#) is witnessing steady expansion as modern defense forces increasingly rely on advanced communication and surveillance systems. Military antennas are essential components in radar

systems, electronic warfare platforms, satellite communications, and secure tactical networks. The global military antenna market size is projected to reach US\$ 6.4 billion in 2026 and grow to approximately US\$ 10.0 billion by 2033, registering a CAGR of 6.6% from 2026 to 2033. The market's growth is being fueled by rising global defense budgets, increasing demand for reliable communication systems, and the integration of advanced technologies such as electronically steered phased-array antennas.

The market's expansion reflects accelerating global defense spending, technological advances in electronically steered phased-array systems, and increasing demand for secure military communications across airborne, maritime, and ground platforms. Global military spending reached approximately US\$ 2.44 trillion in 2023, with continued growth expected through 2033, supporting sustained antenna procurement across NATO allies, U.S. military modernization programs, and expanding defense infrastructure in Asia Pacific countries. Phased-array antennas represent a leading segment due to their ability to provide enhanced signal accuracy, electronic beam steering, and improved battlefield awareness. North America remains the leading geographical region in the military antenna market, driven by significant defense investments, strong technological capabilities, and ongoing modernization initiatives within the defense sector.



**Persistence**  
Market Research

Market Study On

**Military Antenna Market**

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Military Antenna Mkt

## Key Highlights from the Report

- The military antenna market is projected to reach US\$ 10.0 billion by 2033 at a CAGR of 6.6%.
- Rising global defense budgets are a primary factor driving antenna procurement worldwide.
- Phased-array antennas dominate due to their superior performance and reliability.
- Airborne platforms account for a major share due to increasing UAV deployments.
- North America leads the market due to advanced defense modernization programs.
- Asia Pacific is expected to witness the fastest growth during the forecast period.

## Market Segmentation

The military antenna market can be segmented based on antenna type, platform, frequency band, and application. By antenna type, the market includes dipole antennas, monopole antennas, loop antennas, phased-array antennas, and others. Among these, phased-array antennas are gaining significant traction due to their ability to electronically steer beams without mechanical movement. This technology enhances radar performance, improves tracking accuracy, and supports advanced communication systems. Traditional antennas such as dipole and monopole antennas continue to be widely used in tactical communications due to their reliability and cost-effectiveness.

Based on platform, the market is segmented into airborne, naval, and ground systems. Airborne platforms account for a significant share due to the increasing deployment of unmanned aerial vehicles (UAVs), fighter aircraft, and surveillance planes. These platforms require advanced antenna systems to maintain stable communication links and support real-time intelligence gathering. Naval platforms also represent a substantial segment due to the need for long-range communication and radar systems in maritime operations.

In terms of application, the market includes communication, surveillance, electronic warfare, navigation, and telemetry. Communication applications dominate the market as modern defense operations depend heavily on secure and reliable communication networks.

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## Regional Insights

North America dominates the global military antenna market due to substantial defense spending and ongoing modernization programs. The United States remains a major contributor, investing heavily in advanced communication systems, radar technologies, and electronic warfare capabilities. The presence of leading defense contractors and continuous technological advancements further strengthen the region's market position. Government initiatives focused

on enhancing military capabilities continue to drive demand for advanced antenna systems.

Europe represents another significant market, supported by increasing defense cooperation among NATO countries and rising investments in military infrastructure. Countries such as the United Kingdom, Germany, and France are investing in advanced radar and communication systems to enhance their defense capabilities.

Asia Pacific is expected to witness the fastest growth during the forecast period. Increasing defense budgets in countries such as China, India, Japan, and South Korea are driving demand for advanced military equipment, including antennas. Growing geopolitical tensions and the need for enhanced border security are encouraging governments to invest in modern communication and surveillance systems.

### Market Drivers

The primary driver of the military antenna market is the steady increase in global defense spending. Governments around the world are investing heavily in modernizing their military forces, which includes upgrading communication and radar systems. Advanced antennas are essential for supporting secure and reliable communication networks, making them a critical component of modern defense infrastructure.

### Market Restraints

Despite strong growth prospects, the military antenna market faces several challenges. High development and deployment costs associated with advanced antenna systems can limit adoption, particularly in developing countries with constrained defense budgets. The complexity of integrating new antenna systems with existing military infrastructure also presents a challenge. Additionally, strict regulatory requirements and export restrictions on defense equipment can slow down market growth.

### Market Opportunities

The increasing adoption of advanced communication technologies presents significant opportunities for the military antenna market. The development of next-generation communication systems, including satellite-based networks and high-frequency communication systems, is creating new demand for advanced antennas. The growing use of unmanned aerial vehicles and autonomous defense systems is also opening new opportunities for antenna manufacturers.

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### Company Insights

- L3Harris Technologies
- Lockheed Martin Corporation
- Northrop Grumman Corporation
- Raytheon Technologies Corporation
- Thales Group
- BAE Systems
- Cobham Limited
- Rohde & Schwarz
- Harris Corporation

Recent developments in the market include increased investments in phased-array antenna technologies to enhance radar and communication capabilities. Companies are also focusing on developing compact and lightweight antenna systems suitable for unmanned platforms and portable communication devices.

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[Digital Pump Controller Market](#) : The digital pump controller market is set to grow from US\$ 8.9 billion in 2026 to US\$ 13.6 billion by 2033 at a 6.3% CAGR.

[Electric Hedge Trimmer Market](#) : The electric hedge trimmer market will reach US\$ 2.1 billion by 2033, growing at a 5.4% CAGR from 2026.

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