

# Airborne Weapon System Market to Reach \$127.6 Billion by 2034: Insights and Forecast

*"Airborne Weapon Systems Market Soars with Modernization Efforts and Strategic Defence Investments Amid Geopolitical Tensions", States Fact.MR*

ROCKVILLE, MD, UNITED STATES, January 9, 2025 /EINPresswire.com/ -- The [airborne weapon system market](#) is anticipated to grow at a compound annual growth rate (CAGR) of 3.6% from 2024 to 2034, from a projected valuation of US\$ 89,600.3 million in 2024 to US\$ 127,616.5 million by 2034.



The modernization programs, increased investments, and evolution in technologies keep the airborne weapon system market in robust growth. So far as nations are concerned, priorities are for upgrading their aerial combat capabilities with a focus on advanced air-to-air and air-to-ground missile systems, hypersonic technologies, and integration of AI-based systems. Fighter jets represent the biggest share because of their versatility in accomplishment and combat effectiveness; no air force can achieve its objectives-air superiority-without it.

By weapon type, too, missiles dominate, since they provide precision, long-range capabilities, and versatility against multiple target types. Some of the key drivers behind the growth in the market include geopolitical tensions, increased defense budgets, and the strategic drive to maintain dominance in the air, especially across regions such as the U.S. and China. The United States leads the demand in the market, as it is focused on the modernization of its fleet with next-generation systems such as the F-35 and B-21 bombers.

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Meanwhile, military self-reliance and the need to counter the U.S. presence in the Asia-Pacific have accelerated China's R&D investments in advanced weaponry. That said, the market also faces certain challenges in terms of high development costs, complex integration, and long

procurement cycles. Pressing ahead despite such restraint, the conjunction of hypersonic and AI-based technologies looks set to shift the dynamic of the market, therefore driving the adoption of next-generation airborne weapon systems across the globe.

### Key Takeaways from the Market Study

During 2024-2034, the market will expand with a CAGR of 3.6%. Among regions, East Asia exhibits the fastest growth with a CAGR of 3.9%.

Fighter Jets holds about 36.8% of the share in the aircraft type segment. In the weapons type, missiles holds about 42.6% of the market in 2024.

The global airborne weapon system market growth was about 2.8% during the historic period (2019-2023).

“Defence Modernization, Advanced Missile Technology, and Geopolitical Tensions are Major Factor Attributing the Demand for Airborne Weapon Systems,” says a Fact.MR analyst.

### Market Growth Stratagems

Market participants take part in developing new air defence systems, and modernization of existing platforms with the latest technologies such as AI and augmented reality to improve training and, at the same time operational output. Multinational joint development is initiated for modular defence solutions to address diverse combat scenarios and boost overall modern warfare capabilities. For Instance,

In June 2023, The NATO Support and Procurement Agency (NSPA) established the Modular Ground-Based Air Defence Support Partnership (Modular GBAD SP), with 10 NATO nations. This partnership will develop a multinational framework for Very Short, Short, and Medium-Range Ground-Based Air Defence capabilities until early 2028.

In September 2023, Serbia unveiled the "HARPAS" mobile air defense system at the Partner 2023 International Defense Exhibition. Integrated on the M84 Main Battle Tank chassis, the hybrid artillery weapon features 40 mm Bofors guns, anti-aircraft missiles, advanced radar, and AI-powered targeting, redefining anti-aircraft defense capabilities for modern warfare.

### Raising Defense Spending and Modernization Initiatives

The need for advanced airborne weapon systems is being driven by the expanding defense budgets of emerging nations, such as China, India, and the United States. In order to increase their air combat capacity, several government forces worldwide have been concentrating on modernizing their current fleets of aircraft. This will include, for instance, the adoption of new technologies like as electronic warfare, the integration of sophisticated missile systems, and the

updating of avionics.

Many nations are thinking about replacing their outdated aircraft with new versions that are equipped with advanced weapons. These are mostly motivated by the desire to acquire air supremacy and feel secure from progressively more difficult aerial threats.

Thus, as long as geopolitical tensions persist, this will continue to be a major factor in this market's growth. Furthermore, the importance of modern airborne weapons to national security is highlighted by ongoing investments in stealth capabilities and next-generation jets like the F-35.

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### Encouraging Strategic Deterrence and Technological Superiority

Over the course of the forecast period, the market for airborne weapon systems is anticipated to expand at an astounding compound annual growth rate. The ongoing investment in air force modernization and advancement with cutting-edge technologies is one of the main reasons for the rising demand for airborne weapon systems in the US.

For example, it has been observed that the US DoD is upgrading its long-range, air-to-air, and air-to-ground missile weapons. Take note of the current advancements in air superiority systems in the theaters, such as the F-35 and B-21 bombers. With important qualities including improved strike accuracy, speed, and survivability, the nation's investments in technical superiority—such as hypersonic missiles, AI-based targeting systems, and electronic warfare solutions—generally propel the market.

The United States has been compelled to improve its airborne capabilities because to the escalating geopolitical tensions, especially in the Asia-Pacific and European areas. The United States is one of the world's largest markets for airborne weapon systems due to the deployment of cutting-edge weapon systems at allied bases and ongoing efforts to develop improved aerial deterrence against potential threats from countries like China and Russia.

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[Drone GIS Mapping Market](#) The worldwide drone GIS mapping market is anticipated to grow at a compound annual growth rate (CAGR) of 16.5% from 2024 to 2034, reaching a valuation of US\$ 407.2 million in 2024 and US\$ 1,875.1 million by 2034.

[Airborne Optronics Market](#) The global market for airborne optronics is projected to reach US\$ 2 billion by 2023, according to Fact.MR. The global demand for airborne optronics is expected to grow at a 12.7% compound annual growth rate (CAGR) and reach a market value of US\$ 6.62

billion by 2033.

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