

North America Close-in Weapon Systems Market By Type (Gun-Based, Missile-Based), By Platform (Terrestrial, Naval), By Country, Competition, Forecast & Opportunities, 2020-2030F

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Abstracts

Market Overview

North America Close-in Weapon Systems Market was valued at USD 1.81 billion in 2024 and is expected to reach USD 2.64 billion by 2030 with a CAGR of 6.45% during the forecast period. The North America Close-in Weapon Systems (CIWS) market is experiencing growth due to enhanced defense strategies that focus on countering emerging threats with rapid-response weaponry. Investments in technological upgrades of naval and terrestrial defense platforms have led to advanced CIWS with higher precision and automation. Rising demand for multi-layered defense systems across defense forces has also accelerated the adoption of CIWS solutions, ensuring effective neutralization of aerial and missile threats. According to the U.S. Department of Defense (DoD, 2023), the U.S. Navy operates over 300 surface combatants equipped with CIWS, underlining sustained demand for close-range naval defense systems.

Technological innovations are playing a critical role in market expansion. Integration of radar-guided targeting, automated firing systems, and advanced tracking algorithms has improved the accuracy and efficiency of CIWS. Defense budgets allocated to modernize military equipment have increased the procurement of CIWS systems. Opportunities exist in enhancing remote operational capabilities and integrating AI-driven decision-making for faster threat detection. These developments are expected to create a more dynamic defense landscape in the coming years.

Market challenges include high operational and maintenance costs, complexities in

integration with existing defense platforms, and stringent regulatory frameworks. Limited availability of skilled personnel to operate advanced systems can slow deployment. Cybersecurity threats targeting weapon system software and hardware vulnerabilities pose risks. The need for interoperability among multiple defense platforms and resistance to rapid technological change are additional hurdles. Addressing these challenges effectively will be crucial for maximizing the potential of CIWS solutions in defense operations.

Market Drivers

Rising Defense Modernization Initiatives

Military forces are actively upgrading and replacing outdated systems with advanced CIWS to ensure comprehensive threat protection. According to the Congressional Research Service (CRS, 2023), the U.S. allocated over USD 2.5 billion for naval weapons modernization programs in 2023, including upgrades and procurement of CIWS for surface ships.

Modernization includes adopting high-precision targeting, automated firing solutions, and multi-platform integration. Enhanced defense capabilities are crucial for safeguarding terrestrial and maritime assets, driving consistent procurement of CIWS. Investment in research and development further fuels improvements in accuracy, range, and responsiveness, making these systems indispensable in contemporary defense strategies. Increasing strategic focus on rapid response against aerial, missile, and asymmetric threats ensures continued growth in demand for close-in weapon systems.

Key Market Challenges

High Operational and Maintenance Costs

Close-in Weapon Systems involve complex mechanisms, precision targeting technologies, and sophisticated sensors that require substantial financial investment. Regular maintenance, calibration, and replacement of components add to the operational expenditure. Budget constraints in defense programs can limit widespread deployment. Training personnel to operate and maintain these systems also contributes to high costs. The combined expense of acquisition, integration, and upkeep makes CIWS procurement challenging, especially for forces with limited resources. Managing cost efficiency while maintaining operational readiness is critical to ensuring sustainable deployment of these advanced defense systems.

Key Market Trends

Integration of Artificial Intelligence and Automation

Artificial intelligence is being incorporated into CIWS to enable faster threat detection and autonomous decision-making. Automated target recognition, prioritization, and engagement reduce human reaction time and improve accuracy. AI algorithms process real-time sensor data from radar, optical, and infrared systems to anticipate trajectories and optimize firing sequences. Automation also facilitates remote operation, lowering risk to personnel. The trend toward AI-driven CIWS supports more efficient multi-threat engagement while improving operational readiness across naval and terrestrial platforms. Defense forces are increasingly investing in AI-enabled systems to enhance performance under complex and dynamic scenarios.

Key Market Players

BAE Systems

General Dynamics Corporation

Kongsberg Gruppen

Leonardo S.p.A

Lockheed Martin Corporation

Northrop Grumman Corporation

Raytheon Technologies

Rheinmetall AG

Saab AB

Thales Group

Report Scope:

North America Close-in Weapon Systems Market By Type (Gun-Based, Missile-Based), By Platform (Terrestrial, Nav...

In this report, the North America Close-in Weapon Systems Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

North America Close-in Weapon Systems Market, By Type :

Gun-Based

Missile-Based

North America Close-in Weapon Systems Market, By Platform:

Terrestrial

Naval

North America Close-in Weapon Systems Market, By Country:

United States

Canada

Mexico

Competitive Landscape

Company Profiles: Detailed analysis of the major companies presents in the North America Close-in Weapon Systems Market.

Available Customizations:

North America Close-in Weapon Systems Market report with the given market data, TechSci Research, offers customizations according to the company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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