+44 20 8123 2220
info@marketpublishers.com

North America Military Antenna Market Forecast to 2030 - Regional Analysis - by Type (Aperture Antennas, Dipole Antennas, Travelling Wave Antennas, Monopole Antennas, Loop Antennas, Array Antennas, and Others), Frequency (High Frequency, Very High Frequency, and Ultra-High Frequency), Platform (Marine, Ground, and Airborne), and Application (Communication, Telemetry, Electronic Warfare, Surveillance, and Navigation)

https://marketpublishers.com/r/N6EADAF0E53AEN.html
Date: April 2024
Pages: 104
Price: US$ 3,550.00 (Single User License)
ID: N6EADAF0E53AEN

Abstracts

The North America military antenna market was valued at US$ 1,182.04 million in 2022 and is expected to reach US$ 1,668.92 million by 2030; it is estimated to record a CAGR of 4.4% from 2022 to 2030.

Surging Defense Expenditure Drives North America Military Antenna Market

The evolving modern warfare scenario has compelled governments of various countries across the globe to assign significant funds and financial aid toward respective defense and military forces. The defense budget allocation supports army and military forces to obtain enhanced technologies and equipment from domestic or international developers. On the other hand, military and army vehicle upgrades are on the rise owing to growing defense budget allocation. Furthermore, the increasing governmental expenditure showcases the government's focus on strengthening national security forces. There is an increased need to reinforce military and border security forces with advanced surveillance, communication, navigation equipment, artilleries, armaments, and vehicles, among others; hence, military forces across the globe are focusing on

investing significant amounts in procuring advanced technologies. Defense forces' constant inclination to acquire new technologies for noncombat and combat operations further boosts military expenditure worldwide. As per the Stockholm International Peace Research Institute (SIPRI), global military expenditure increased to US$ 2,148 billion in 2022, representing a 3.5% increase from 2021. The US, China, India, Russia, and Saudi Arabia were the top five spenders in 2022, which accounted for 63% of the global expenditure.

Increasing military expenditure encourages the incorporation of advanced warfare technologies such as high-range antennas, advanced communication devices, unmanned vehicles, radars, missile detection systems, and surveillance and navigation systems. In addition, a high military budget supports countries in assigning resources for the advancement and upgradation of their existing air, ground-based, and naval defense systems. This comprises enhancing or replacing outdated and mature communication, surveillance, and navigation systems with more advanced and capable ones by incorporating high-end antennas. For instance, in 2022, Viasat Inc. introduced and commercialized its large-aperture antennas, which can deliver the US and other spacefaring countries with improved space-to-ground communications for future Department of Defense projects. In 2023, Cambium Networks, a Washington-based networking solution company, is anticipated to demonstrate its new PTP 700 beam-steering outdoor unit equipped with an advanced antenna at the Association of the United States Army Annual Meeting and Exposition 2023. In addition, in 2023, the Space Force collaborated with the National Oceanic and Atmospheric Administration (NOAA) to manage the growing number of military satellites in orbit. Space Force is anticipated to use NOAA Antennas for its military satellite missions in upcoming projects. Moreover, in October 2023, Keysight Technologies, Inc. launched the Phased Array Antenna Control and Calibration solution that facilitates satellite designers fabricating active, electronically scanned arrays specifically for satellite communications applications to test their designs in time of validation properly. The solution increases signal-pointing accuracy by enhancing the frequency of active antenna array components. As advanced army vehicles are a major application area of military antennas, the increase in military expenditure boosts the North America military antenna market growth.

North America Military Antenna Market Overview

Military antennas are majorly used in all defense platforms, such as naval, airborne, and ground-based, for surveillance, communication, telemetry, navigation, and electronic warfare. The growing need for advanced communication systems to cater to modern battlefield requirements is boosting the demand for military antennas in North America. The growing integration of satellite for airborne radio telecommunication, which is known as SATCOM, is another major factor boosting the demand for military antennas in North American countries. Growing possibilities of unstable geopolitical scenarios are also one of the key factors that resulted in the growing need for advanced ground-based military antennas. The US is leasing the market for military antennas in North America, followed by Canada and Mexico. In 2020, North America spent US$ 809.7 billion on defense activities, and in 2021, it reached approximately US$ 835.8 billion. In 2022, the military expenditure reached to US$ 912.3 billion. The US is one of the highest military spending countries. The growing budget for defense expenditure indicates the country's focus and emphasis on advancing the defense sector to meet the growing need for security. The defense expenditure covers sections such as operation and maintenance, procurement, research, and development, testing and evaluation, and military personnel. In North America, the total number of military aircraft fleet accounted for 14144 as of 2023. In addition, the total number of naval vessels accounted to be 466 in 2023. The US accounted for 243 units of navy vessels, followed by Mexico, which accounted for 186 units, and Canada had 21 units. Frigates, corvettes, destroyers, aircraft carriers, and submarines were the major types of naval vessels. Also, 72 units of naval vessel orders were commissioned. The growing number of naval vessel orders are one of the prime opportunity areas for military antennas, which are one of the major parts of these kind of ships for communication, signal transfer, and navigation. Thus, the rising application of advanced communication and navigation systems in naval vessels is also boosting the demand for military antennas in North America.

North America Military Antenna Market Revenue and Forecast to 2030 (US$ Million)

North America Military Antenna Market Segmentation

The North America military antenna market is segmented based on type, frequency, platform, application, and country.

Based on type, the North America military antenna market is segmented into aperture antennas, dipole antennas, travelling wave antennas, monopole antennas, loop antennas, array antennas, and others. The dipole antennas segment held the largest share in 2022.

By frequency, the North America military antenna market is segmented into high frequency, very high frequency, and ultra-high frequency. The high frequency segment held the largest share in 2022.

By platform, the North America military antenna market is segmented into marine, ground, and airborne. The ground segment held the largest share in 2022.

In terms of application, the North America military antenna market is categorized into communication, telemetry, electronic warfare, surveillance, and navigation. The communication segment held the largest share in 2022.

Based on country, the North America military antenna market is segmented into the US, Canada, and Mexico. The US dominated the North America military antenna market in 2022.

BAE Systems Plc, Comrod Communication AS, Hascall-Denke Corp, L3Harris Technologies Inc, Lockheed Martin Corp, MTI Wireless Edge Ltd, Raytheon Technologies Corp, Rohde and Schwarz GmbH and Co KG, and Thales SA are some of the leading companies operating in the North America military antenna market.

Contents

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

13. INDUSTRY LANDSCAPE

14. COMPANY PROFILES

15. APPENDIX

List Of Tables

LIST OF TABLES

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: North America Military Antenna Market Forecast to 2030 - Regional Analysis - by Type (Aperture Antennas, Dipole Antennas, Travelling Wave Antennas, Monopole Antennas, Loop Antennas, Array Antennas, and Others), Frequency (High Frequency, Very High Frequency, and Ultra-High Frequency), Platform (Marine, Ground, and Airborne), and Application (Communication, Telemetry, Electronic Warfare, Surveillance, and Navigation)

Product link: https://marketpublishers.com/r/N6EADAF0E53AEN.html

Price: US$ 3,550.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/N6EADAF0E53AEN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

**All fields are required

Custumer signature ______________________________

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970