

# Global Edge Computing in Defense Market: Focus on Application, End User, Component, Deployment, and Region - Analysis and Forecast, 2024-2034

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## Abstracts

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The edge computing in defense market is experiencing significant growth, propelled by deployment of autonomous systems, increasing data volumes and network traffics and improve data security by minimizing the need to transmit sensitive information.

Considering the optimistic scenario the market is valued at \$4.76 billion in 2024 and is expected to grow at a CAGR of 14.89% to reach \$19.05 Billion by 2034.

Despite these positive drivers, the market faces hurdles such as scalability issues and high initial capital and infrastructure investment. However, increasing demand for cybersecurity present lucrative opportunities for the expansion of edge computing in defense demand, suggesting a vibrant future for this market as it navigates through challenges towards range concerns compliance with regulatory requirements and data sovereignty laws.

The edge computing in defense market in the North America region is experiencing significant growth. North America, particularly the U.S., is a hub for technological innovation in the defense sector. Edge computing technologies are being rapidly developed and deployed to enhance the capabilities of defense systems, including sensor networks, unmanned vehicles, and command and control systems. As edge computing expands in the defense market, cybersecurity becomes a critical concern. North American defense organizations invest in cybersecurity measures to protect edge

devices, networks, and data from cyber threats, ensuring the integrity, confidentiality, and availability of sensitive information.

Governments and defense agencies are making strategic investments in edge computing technologies to modernize their defense infrastructure and maintain a competitive edge. For instance, in August 2022, the Department of National Defence allocated \$1.5 million in funding to bolster the advancement of a 5G edge computing research network.

Market Segmentation:

Segmentation 1: by Application

Cybersecurity

Intelligence, Surveillance, and Reconnaissance (ISR)

Command and Control (C2)

OthersIndustrial

Segmentation 2: by End-user

Land

Airborne

Naval

Segmentation 3: by Component

Hardware (Weapon Sensors, Connectivity Hardware, Gateways, Wearable Devices, Autonomous Systems, and Other)

Software

Services

#### Segmentation 4: by Deployment

On-Premises

Cloud-based

#### Segmentation 5: by Region

North America

Europe

Asia-Pacific

Rest-of-the-World

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