

Autonomous Aircraft Flight Management Computers Market Rise in Adoption Of Artificial Intelligence In Autonomous Systems

PORTLAND, ORAGON, UNITED STATES, September 16, 2022 /EINPresswire.com/ -- The global [autonomous aircraft flight management computers](#) market is experiencing a significant growth due to increasing procurement of autonomous UAVs globally. Autonomous aircraft is a fully automated manned or unmanned aircraft that require minimum or no human intervention in its operations. Autonomous aircrafts can be identified with their ability to perform complex maneuvers for extended period of time at remote distances. Autonomous aircraft flight management computers are made of various avionics systems involving system-on-a-chip (SOC) & single-board computers (SBC) for controlling flight management systems such as navigation, flight path, and auto-pilot system among others. Further, installation of autonomous aircraft flight management computer system on an aircraft reduces the workload of operator.

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Surge in autonomy to reduce human errors, increase in demand for cost-effective aircraft operation, and rise in adoption of artificial intelligence in autonomous systems are the factors that drive the global autonomous aircraft flight management computers market. However, government policy & regulation regarding safety concerns of reliance on autonomous aircrafts during emergency events hinder the market growth. On the contrary, increased use of autonomous vehicles due to on-demand availability and rise in aerial platforms for urban mobility present new pathways in the industry.

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Autonomous aircraft reduces the risks of human error in difficult terrains or situation where humans can't operate. Recently, in 2020, US Joint Artificial Intelligence Center (JAIC), revealed that the US Air Force had set the goal of holding the faceoff in July 2021, between an autonomous drone equipped with an artificial intelligence-driven flight management & control computer system against a fighter jet with a human pilot. Moreover, the fully-autonomous unmanned combat air vehicle (UCAV) is capable of air-to-air combat, as well as air-to-ground strikes would be able to perform many of the same functions as manned aircraft, but would be able to make key decisions faster and more accurately, taking into account much more information in a

shorter period of time, without any concern about being distracted or confused by the general chaos of combat. They can also be networked into swarms that work cooperatively to maximize their combat effectiveness at any given time far beyond what a human-piloted formation could. Such rise in adoption of artificial intelligence in autonomous systems will drive the global autonomous aircraft flight management computers market.

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Key benefits of the report:

This study presents the analytical depiction of the global autonomous aircraft flight management computers industry along with the current trends and future estimations to determine the imminent investment pockets.

The report presents information related to key drivers, restraints, and opportunities along with detailed analysis of the global autonomous aircraft flight management computers market share.

The current market is quantitatively analyzed from 2020 to 2027 to highlight the global autonomous aircraft flight management computers market growth scenario.

Porter's five forces analysis illustrates the potency of buyers & suppliers in the market.

The report provides a detailed global autonomous aircraft flight management computers market analysis based on competitive intensity and how the competition will take shape in coming years.

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Questions answered in the autonomous aircraft flight management computers market research report:

Which are the leading market players active in the autonomous aircraft flight management computers market?

What are the current trends that will influence the market in the next few years?

What are the driving factors, restraints, and opportunities in the market?

What are the projections for the future that would help in taking further strategic steps?

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