

5G in Aviation Market by Communication, Infrastructure, Application, Key Players: Cisco Systems, Nokia, Ericsson

5G in Aviation Market: The aviation industry adopting 5G is set to reap rewards upon the lift of travel restrictions, due to increased air passenger traffic.

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[5G in Aviation Market 2020-2030](#): The global 5G in aviation market is experiencing a significant growth due to growing demand for high-speed internet connectivity. 5G is the fifth-generation telecommunication standard in cellular networks. 5G

utilizes higher frequency radio waves than current 4G cellular networks to achieve large bandwidth capacity. Moreover, 5G can handle up to a million devices per square kilometers, and as of 3rd July, 2019 5G has reached the peak speed of 1.8 GB per second download speed on AT&T's network (an American telecommunication company with headquarters in Dallas, Texas). Further, vast data exchange speed will enable faster data bulk transfer from aircrafts for data analysis to provide proactive maintenance and improved passenger experience.



5G in Aviation

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COVID-19 scenario analysis:

COVID-19 has forced people that include the workforce of telecommunication companies around the world to work from home, due government-imposed lockdown.

The mobile network companies have witnessed a surge in bandwidth consumption due to increased usage of mobile data as people staying at home to comply with the governments initiatives to contain the COVID-19 outbreak.

Airports and airlines however are experiencing financial crisis due to travel bans issued by authorities to restrict the spread of COVID-19.

Mobile communication service providers are forced to delay ongoing projects of 5G infrastructure due to restricted site access and workforce shortage, in the wake of COVID-19 scenario.

The aviation industry adopting 5G is expected to reap rewards upon the lift of travel restrictions, due to increased air passenger traffic.

Top impacting factors: market scenario analysis, trends, drivers and impact analysis

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Surge in usage of smart devices & internet of things (IoT), increase in demand for fast internet connectivity, and rise in adoption of 5G in the aviation industry are the factors that drive the global 5G in Aviation market. However, lack of infrastructure and initial installation cost hinders the market growth. On the contrary, potential applications of 5G in AI and real-time augmented reality present new pathways in the industry.

The global 5G in aviation market trends are as follows:

Adoption of 5G in the aviation industry

Installation of 5G at airports will provide ultra-high speed internet connectivity to passengers travelling in the air. Number of airports across the globe are spending heavily to upgrade their existing infrastructure. For instance, in 2018, London City Airport (an airport in London) have spent approx. 900,000 to install interconnected sensor network and data hub to track the flow of passengers at airport. This installation is mainly focused around the 5G network. Also, in 2019, Vodafone (a multinational telecommunication company with headquarters located in London, UK), installed its 5G network at Gatwick Airport (an airport in London). Moreover, 5G guarantees a constant high speed and high capacity connection with download speeds up to 400MB per second and ultra-low latency that can be up to 100 times faster than 4G. Further, 5G is capable of providing real-time, secure, and predictive views of airport operations. Hence, use of 5G to enhance airport & airline operation is expected to boost the global 5G in aviation market.

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Key benefits of the report:

- This study presents the analytical depiction of the global 5G in aviation 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 5G in aviation market share.
- The current market is quantitatively analyzed from 2020 to 2027 to highlight the global 5G in

aviation market growth scenario.

- Porter's five forces analysis illustrates the potency of buyers & suppliers in the market.
- The report provides a detailed global 5G in aviation market analysis based on competitive intensity and how the competition will take shape in coming years.

Questions answered in the 5G in aviation market research report:

- Which are the leading market players active in the 5G in Aviation 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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