

Software Defined Radio Market Report 2022-2027, Size, Share, Growth, Trends and Forecast

SHERIDAN, WYOMING, UNITED STATES, December 6, 2022 /EINPresswire.com/ -- According to IMARC Group's latest report, titled "Software Defined Radio Market: Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027," Offers a comprehensive analysis of the industry, which comprises insights on software defined radio market.

We are regularly tracking the direct effect of COVID-19 on the market, along with the indirect influence of associated industries. These observations will be integrated into the report.



What are the growth prospects of the software defined radio industry?

The [global software defined radio market](#) size reached US\$ 19.3 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 30.3 Billion by 2027, exhibiting a growth rate (CAGR) of 8.3% during 2022-2027.

What is software defined radio ?

The software defined radio represents radio frequency communication systems that perform signal-processing tasks utilizing the software installed in a desktop computer. They can be categorized into various types, such as joint tactical radio system (JTRS), cognitive radio, general purpose radio, terrestrial trunked radio (TETRA), etc. These software defined radio devices operate through a transmitter, receiver, software application, and several other auxiliary systems. They perform the functions of amplifiers, mixers, filters, modulators or demodulators,

and detectors and have a broad frequency range by default which can even be programmed to work at a specific frequency within the range. Software defined radio technologies offer improved flexibility, interoperability, and cost-effectiveness to the user. Consequently, they find extensive applications across numerous sectors, such as aerospace, telecommunication, defense, transportation, etc.

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Market Trends

The escalating need for military modernization for enhanced situational awareness is primarily driving the software defined radio market. Apart from this, the rising requirement for stable connections and higher data speeds and the growing adoption of SDR software with Network Function Virtualization (NFV) to enhance connectivity solutions are also positively influencing the global market. In addition to this, the introduction of next-generation internet protocol (IP) systems, which can be adjusted to wireless and 4G spectrums, is acting as another significant growth-inducing factor. Moreover, the shifting preferences toward digital SDR as the base technology for the delivery of telecommunication services, including digital TV, video streaming channels, radio broadcasts, etc., are further stimulating the market growth. Besides this, the growing integration of the internet of things (IoT) technology with wireless devices is expected to fuel the software defined radio market in the coming years.

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The report has segmented the market on the basis of type, application, component, platform, frequency band and geography.

Breakup by Type:

- Cognitive Radio
- General Purpose Radio
- Terrestrial Trunked Radio (TETRA)
- Others

Breakup by Application:

- Aerospace and Defense
- Commercial
- Telecommunication
- Others

Breakup by Component:

Transmitter
Receiver
Auxiliary System
Software

Breakup by Platform:

Land
Airborne
Naval
Space

Breakup by Frequency Band:

High Frequency
Very High Frequency
Ultra-High Frequency
Others

Breakup by Geography:

North America (U.S. & Canada)
Europe (Germany, United Kingdom, France, Italy, Spain, Russia, and Others)
Asia Pacific (China, India, Japan, South Korea, Indonesia, Australia, and Others)
Latin America (Brazil, Mexico)
Middle East & Africa

Key highlights of the report:

Market Performance (2016-2021)
Market Outlook (2022- 2027)
Porter's Five Forces Analysis
Market Drivers and Success Factors
SWOT Analysis
Value Chain
Comprehensive Mapping of the Competitive Landscape

If you need specific information that is not currently within the scope of the report, we can provide it to you as a part of the customization.

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IMARC's information products include major market, scientific, economic and technological developments for business leaders in pharmaceutical, industrial, and high technology organizations. Market forecasts and industry analysis for biotechnology, advanced materials, pharmaceuticals, food and beverage, travel and tourism, nanotechnology and novel processing methods are at the top of the company's expertise.

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