

Software Defined Radio Market Size, Share, Revenue, Trends And Drivers For 2024-2033

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Software Defined Radio Global Market Report 2024 -
Market Size, Trends, And Global Forecast 2024-2033

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/EINPresswire.com/ -- The [software](#)

[defined radio market](#) has experienced robust growth in recent years, expanding from \$22.22 billion in 2023 to \$23.9 billion in 2024 at a compound annual growth rate (CAGR) of 7.6%. The growth in the historic period can be attributed to evolution of digital signal processing technologies, growth in wireless communication standards, demand for flexible and

reconfigurable radio systems, advances in software-defined radio (sdr) hardware, increase in military and defense applications.



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What Is The Estimated Market Size Of The Global Software Defined Radio Market And Its Annual Growth Rate?

The software defined radio market is projected to continue its strong growth, reaching \$32.89 billion in 2028 at a compound annual growth rate (CAGR) of 8.3%. The growth

in the forecast period can be attributed to adoption of 5g technology and beyond, integration of artificial intelligence in sdr, increased use in public safety and emergency communication, expansion of sdr in internet of things (iot) devices, emphasis on spectrum efficiency and dynamic spectrum access. Major trends in the forecast period include software-defined radio in cognitive radio networks, open-source software development for sdr, use of sdr in satellite communication systems, development of portable and handheld sdr solutions, integration of sdr with edge computing for low latency.

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Growth Driver Of The Software Defined Radio Market

The rising defense spending to upgrade defense communication systems is expected to propel the market. The defense sector provides soldiers with technological advantages that enable them to work tactfully in wartime by providing them with enhanced data transmission capability, voice clarity, and data transmission accuracy systems. These advanced communication systems aid in the protection of sensitive data throughout the defense sector. Furthermore, as cross-border disputes and terrorism become more prevalent, investments in defense communication are increasing. These factors would likely increase the use of advanced communication systems for greater security and safety.

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Which Market Players Are Driving the Software Defined Radio Market Growth?

Key players in the market include Elbit Systems Ltd., L3Harris Technologies Inc., BAE Systems plc, General Dynamics Corporation, Leonardo S. p. A., Aselsan A. S., Bharat Electronics Limited, Cobham plc, Collins Aerospace, Curtiss-Wright Corporation, Data Link Solutions LLC, Epiq Solutions, FlexRadio Systems, Giga-tronics Inc., L3Harris Technologies Inc., Huawei Technologies Co. Ltd., Indra Sistemas S. A., Israel Aerospace Industries Ltd., LIG Nex1 Co. Ltd., Microtelecom S. r. l., NXP Semiconductors N. V., Pentek Inc., Rafael Advanced Defense Systems Ltd., Raytheon Technologies Corporation, Rockwell Collins Inc., Rohde & Schwarz GmbH & Co. KG, Rolta India Limited., SDRplay Limited., Signal Hound, Silvus Technologies Inc., Thales Group, Ultra Electronics Holdings, VectorNav Technologies, ViaSat Inc., Wind River Systems Inc.

What Are the Emerging Trends Shaping the Software Defined Radio Market Overview?

Technological development is a key trend gaining popularity in the software defined radio market. Software-defined radio technology has advanced significantly. The market has witnessed hardware advancements that have reduced costs while increasing performance. These technologies offer significant advantages over traditional radio designs based on hardware. These radios are used in various applications that use software-defined radio processing. Major companies operating in the software-defined radio market are creating innovative technologies to provide hassle communications.

How Is The Global Software Defined Radio Market Segmented?

- 1) By Type: Joint Tactical Radio System (JTRS), Cognitive Radio, General Purpose Radio, Terrestrial Trunked Radio (TETRA), Other Types
- 2) By Component: Hardware, Software, Service
- 3) By Platform: Airborne, Naval, Land, Space
- 4) By Frequency Band: High Frequency (HF), Very High Frequency (VHF), Ultra-High Frequency (UHF), Other Bands
- 5) By End-Users: Aerospace And Defense, Telecommunication, Public Safety, Commercial, Other

End-Users

Geographical Insights: North America Leading The Software Defined Radio Market

North America was the largest region in the modular data center market in 2023. Asia-Pacific is expected to be the fastest-growing region in the forecast period. The regions covered in the software defined radio market report are Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, Africa

Software Defined Radio Market Definition

The software defined radio refer to a radio communication system that uses reconfigurable software-based elements for digital signal processing and conversion. The system can tune to any frequency band, integrate different modulation-demodulation schemes, and support multiple standards in the same device using reconfigurable hardware and powerful software. The purpose of SDR is to act as a programmable transceiver that supports various wireless technologies.

[Software Defined Radio Global Market Report 2024](#) from The Business Research Company covers the following information:

- Market size data for the forecast period: Historical and Future
- Macroeconomic factors affecting the market in the short and long run
- Analysis of the macro and micro economic factors that have affected the market in the past five years
- Market analysis by region: Asia-Pacific, China, Western Europe, Eastern Europe, North America, USA, South America, Middle East and Africa.
- Market analysis by countries: Australia, Brazil, China, France, Germany, India, Indonesia, Japan, Russia, South Korea, UK, USA.

An overview of the global software defined radio market report covering trends, opportunities, strategies, and more

The Software Defined Radio Global Market Report 2024 by The Business Research Company is the most comprehensive report that provides insights on software defined radio market size, software defined radio market drivers and software defined radio market trends and software defined radio market growth across geographies. This software defined radio market report helps you gain in-depth insights into opportunities and strategies. Companies can leverage the data in the report and tap into segments with the highest growth potential.

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