

**Europe Data Converter Market Forecast to 2028 - COVID-19 Impact and Regional Analysis - by Type (DAC and ADC), Sampling Rates (High Speed Converters and General/Low Speed Converters), Application (Medical, Industrial, Communications, Consumer Electronics, Automotive, and Others), Resolution (10-14 bit, Above 14-20 bit, and Above 20 bit), and Rate of Converter (Below 100MSPs, 100-500MSPs, Above 500MSPs-1GSPs, and Above 1GSPs-3GSPs)**

Market Report | 2022-11-11 | 171 pages | The Insight Partners

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**Report description:**

The data converter in Europe is expected to grow from US\$ 1,141.95 million in 2022 to US\$ 1,879.01 million by 2028. It is estimated to grow at a CAGR of 8.7% from 2022 to 2028.

Increase in Number of Product Launches

The continuously growing demand for data converters has compelled the market players to raise investments in the development of new and innovative product offerings. A few of the major product developments are mentioned as In December 2021, Texas Instruments Incorporated introduced the smallest 24-bit wideband ADC that aids in signal measurement with industry-leading precision at wider bandwidths. The newly launched ADS127L11 helps in achieving ultra-precise data acquisition in a 50% smaller package, significantly optimizing power consumption, resolution, and measurement bandwidth for a wide range of industrial systems. This product of the company can be used in applications such as test and measurement equipment and portable medical devices with improved battery life requirements. In May 2022, Analog Devices, Inc. introduced a new portfolio of next-generation 16-to-24-bit, ultrahigh-precision successive approximation register (SAR) ADCs. This new small AD4630-24 SAR ADC provides high

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accuracy and performance with a wide common mode input range. Such advancements in data converters, supported by high investments from manufacturers to enhance their product portfolios and innovate products as per customer changing requirements, are contributing to the growth of the data converter market.

## Market Overview

The Europe data converter market is segmented into Germany, France, the UK, Italy, Russia, and the Rest of Europe. The market growth in the region is driven by the rising automotive sector. Automotive is one of the biggest sectors in Europe as it represents over 7% of the region's GDP. The increasing development and sales of electric vehicles, and the presence of established car manufacturers and supplier base with strong brand value and technological and financial capabilities would boost the Europe data converter market growth in the coming years. Russia is one of the leading providers of raw material required in the manufacturing of semiconductors, however the Russia and Ukraine conflict for some extend has raised the raw material and logistic cost which is weighing down the automotive industry in the region.

## Europe Data Converter Market Revenue and Forecast to 2028 (US\$ Million)

### Europe Data Converter Market Segmentation

The Europe data converter is segmented into type, sampling rates, application , resolution, rate of converter and country.

Based on type, the market is segmented into DAC and ADC. The ADC segment registered the larger market share in 2022. Based on sampling rates ,the market is segmented into high speed converters and general/low speed converters. The high speed converters segment held the larger market share in 2022. Based on application, the market is segmented into medical, industrial, communications, consumer electronics, automotive, and others. The consumer electronics segment held the larger market share in 2022. Based on resolution , the market is segmented into 10-14 bit, above 14-20 bit, and above 20 bit. The 10-14 bit segment held the larger market share in 2022. Based on rate of converter , the market is segmented into Below 100MSPs, 100-500MSPs, Above 500MSPs-1GSPs, and Above 1GSPs-3GSPs .The Below 100MSPs segment held the larger market share in 2022. Based on country, the market is segmented into Germany , France , Italy , Russia , UK and Rest of Europe. Germany dominated the market share in 2022. Analog Devices, Inc. ; Microchip Technology Inc. ; NXP Semiconductors ; Renesas Electronics Corporation ; ROHM CO., LTD. ; STMicroelectronics ; Synopsys, Inc. ; Texas Instruments Incorporated ; Omni Design Technologies, Inc. and ON Semiconductor Corporation are the leading companies operating in the data converter in the region.

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