

2018-2023 Global Atomic Clock Consumption Market Report

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Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Atomic Clock market for 2018-2023.

Atomic clock is a clock device that uses an electron transition frequency in the microwave, optical, or ultraviolet region of the electromagnetic spectrum of atoms as a frequency standard for its timekeeping element.

Rubidium atomic clock or rubidium standard, is a high accuracy frequency and time standard. Rubidium atomic clocks, the simplest and most compact of other atomic clocks, use a glass cell of rubidium gas that changes its absorption of light at the optical rubidium frequency when the surrounding microwave frequency is just right. Atomic Clock is a precision clock that depends for its operation on an electrical oscillator regulated by the natural vibration frequencies of an atomic system (as a beam of cesium atoms).

Cesium beam atomic clock (Cs beam) is a device that uses as a reference the exact frequency of the microwave spectral line emitted by atoms of the metallic element cesium, in particular its isotope of atomic weight 133 ("Cs-133").

Hydrogen Maser Atomic Clocks are the most precise clocks in the world, offering the highest short-term stability: time remains stable up to 100 times better than a Rubidium clock.

The Chip Scale Atomic Clock (CSAC) was a microchip-sized atomic clock for use in portable equipment. The Microsemi SA.45s CSAC is the world's first commercially available chip scale atomic clock, providing the accuracy and stability of atomic clock technology while achieving true breakthroughs in reduced size, weight and power consumption.

North America region is the largest consumption of Atomic Clock, with a revenue market share nearly 29.91% in 2017.

The second place is Europe; following North America with the revenue market share over 29.82% in 2017. China is another important consumption market of Atomic Clock. Atomic Clock mainly has three kinds, including Rubidium Atomic Clock & CSAC, Cs Beam Atomic Clock and Hydrogen Maser Atomic Clock. The Consumption market share of Rubidium Atomic Clock & CSAC is 97.18% in 2017.

Atomic Clock used in Space & Military/Aerospace, Scientific & Metrology Research, Telecom/Broadcasting etc. The sales market share of Atomic Clock used in Scientific & Metrology Research is 31.97% in 2017.

Briefly speaking, in the next few years, Atomic Clock industry will still be a relative steady industry. Sales of Atomic Clock have brought a lot of opportunities, there will more companies enter into this industry.

Over the next five years, LPI(LP Information) projects that Atomic Clock will register a 5.2% CAGR in terms of revenue, reach US\$ 460 million by 2023, from US\$ 340 million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Atomic Clock market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Rubidium Atomic Clock & CSAC

Cesium Atomic Clock

Hydrogen Maser Atomic Clock

Segmentation by application:

Space & Military/Aerospace

Scientific & Metrology Research

Telecom/Broadcasting

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

Microsemi

Orolia Group

Oscilloquartz SA

Frequency Electronics

VREMYA-CH JSC

CASIC

Stanford Research Systems

Chengdu Spaceon Electronics

AccuBeat Ltd

KVARZ

IQD

Excelitas Technologies

Shanghai Astronomical Observatory

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

Research objectives

To study and analyze the global Atomic Clock consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Atomic Clock market by identifying its various subsegments.

Focuses on the key global Atomic Clock manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Atomic Clock with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Atomic Clock submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

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