

# Global Atomic Clock Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

<https://marketpublishers.com/r/GAFBEC1C2669EN.html>

Date: April 2024

Pages: 133

Price: US\$ 3,950.00 (Single User License)

ID: GAFBEC1C2669EN

## Abstracts

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.

According to APO Research, The global Atomic Clock market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

Global Atomic Clock key players include Microsemi (Microchip), Orolia Group (Spectratime), Oscilloquartz SA, VREMYA-CH JSC, Casic, etc. Global top five manufacturers hold a share over 65%.

North America is the largest market, with a share over 35%, followed by Europe, and Asia-Pacific, both have a share over 55 percent.

In terms of product, Rubidium Atomic Clock & CSAC is the largest segment, with a share about 55%. And in terms of application, the largest application is Telecom or Broadcasting, followed by Scientific and Metrology Research, Space and Military or Aerospace, etc.

## Report Includes

This report presents an overview of global market for Atomic Clock, market size. Analyses of the global market trends, with historic market revenue data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Atomic Clock, also provides the revenue of main regions and countries. Of the upcoming market potential for Atomic Clock, and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Atomic Clock revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Atomic Clock market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by Type and by Application, revenue, and growth rate, from 2019 to 2030. Evaluation and forecast the market size for Atomic Clock revenue, projected growth trends, production technology, application and end-user industry.

Descriptive company profiles of the major global players, including Microsemi (Microchip), Orolia Group (Spectratime), Oscilloquartz SA, VREMYA-CH JSC, Frequency Electronics, Inc., Stanford Research Systems, Casic, AccuBeat Ltd and Chengdu Spaceon Electronics, etc.

#### Atomic Clock segment by Company

Microsemi (Microchip)

Orolia Group (Spectratime)

Oscilloquartz SA

VREMYA-CH JSC

Frequency Electronics, Inc.

Stanford Research Systems

Casic

AccuBeat Ltd

Chengdu Spaceon Electronics

Shanghai Astronomical Observatory

#### Atomic Clock segment by Type

Rubidium Atomic Clock and CSAC

Cs Beam Atomic Clock

Hydrogen Maser Atomic Clock

#### Atomic Clock segment by Application

Space and Military or Aerospace

Scientific and Metrology Research

Telecom or Broadcasting

Others

#### Atomic Clock segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

### Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.
6. To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

### Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Atomic Clock market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Atomic Clock and provides them with information on key market drivers, restraints, challenges, and opportunities.

3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market.
5. This report helps stakeholders to gain insights into which regions to target globally.
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Atomic Clock.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

## Chapter Outline

Chapter 1: Introduces the report scope of the report, executive summary of different market segments (product type, application, etc), including the market size of each market segment, future development potential, and so on. Revenue of Atomic Clock in global and regional level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global Atomic Clock industry.

Chapter 3: Detailed analysis of Atomic Clock companies' competitive landscape, revenue, market share and industry ranking, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the revenue, and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments by application, covering the revenue, and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 6: Provides profiles of key companies, introducing the basic situation of the main companies in the market in detail, including product descriptions and specifications, Atomic Clock revenue, gross margin, and recent development, etc.

Chapter 7: North America (US & Canada) by type, by application and by country, revenue for each segment.

Chapter 8: Europe by type, by application and by country, revenue for each segment.

Chapter 9: China by type, and by application, revenue for each segment.

Chapter 10: Asia (excluding China) by type, by application and by region, revenue for each segment.

Chapter 11: MEALA by type, by application and by country, revenue for each segment.

Chapter 12: Concluding Insights of the report.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Market Analysis by Type
  - 1.2.1 Global Atomic Clock Market Size Growth Rate by Type: 2019 VS 2023 VS 2030
  - 1.2.2 Rubidium Atomic Clock and CSAC
  - 1.2.3 Cs Beam Atomic Clock
  - 1.2.4 Hydrogen Maser Atomic Clock
- 1.3 Market Analysis by Application
  - 1.3.1 Global Atomic Clock Market Size Growth Rate by Application: 2019 VS 2023 VS 2030
  - 1.3.2 Space and Military or Aerospace
  - 1.3.3 Scientific and Metrology Research
  - 1.3.4 Telecom or Broadcasting
  - 1.3.5 Others
- 1.4 Global Market Growth Prospects
- 1.5 Global Atomic Clock Growth Trends by Region
  - 1.5.1 Global Atomic Clock Market Size by Region: 2019 VS 2023 VS 2030
  - 1.5.2 Atomic Clock Market Size by Region (2019-2024)
  - 1.5.3 Atomic Clock Market Size by Region (2025-2030)
- 1.6 Assumptions and Limitations
- 1.7 Study Goals and Objectives
- 1.8 Years Considered

### 2 GLOBAL ATOMIC CLOCK MARKET DYNAMICS

- 2.1 Atomic Clock Industry Trends
- 2.2 Atomic Clock Industry Drivers
- 2.3 Atomic Clock Industry Opportunities and Challenges
- 2.4 Atomic Clock Industry Restraints

### 3 COMPETITIVE LANDSCAPE BY COMPANY

- 3.1 Global Atomic Clock Revenue by Company (2019-2024)
- 3.2 Global Atomic Clock Players Revenue Ranking, 2022 VS 2023 VS 2024
- 3.3 Global Atomic Clock Key Company Head office and Area Served
- 3.4 Global Atomic Clock Company, Product Type & Application



3.5 Global Atomic Clock Company Commercialization Time

3.6 Market Competitive Analysis

3.6.1 Global Atomic Clock Market CR5 and HHI

3.6.2 Global Top 5 and 10 Atomic Clock Players Market Share by Revenue in 2023

3.6.3 2023 Atomic Clock Tier 1, Tier 2, and Tier

## **4 ATOMIC CLOCK MARKET BY TYPE**

4.1 Global Atomic Clock Market Size by Type (2019 VS 2023 VS 2030)

4.2 Global Atomic Clock Market Size by Type (2019-2030)

4.3 Global Atomic Clock Market Size Share by Type (2019-2030)

## **5 ATOMIC CLOCK MARKET BY APPLICATION**

5.1 Global Atomic Clock Market Size by Application (2019 VS 2023 VS 2030)

5.2 Global Atomic Clock Market Size by Application (2019-2030)

5.3 Global Atomic Clock Market Size Share by Application (2019-2030)

## **6 COMPANY PROFILES**

6.1 Microsemi (Microchip)

6.1.1 Microsemi (Microchip) Company Information

6.1.2 Microsemi (Microchip) Business Overview

6.1.3 Microsemi (Microchip) Atomic Clock Revenue and Gross Margin (US\$ Million) & (2019-2024)

6.1.4 Microsemi (Microchip) Atomic Clock Product Portfolio

6.1.5 Microsemi (Microchip) Recent Developments

6.2 Orolia Group (Spectratime)

6.2.1 Orolia Group (Spectratime) Company Information

6.2.2 Orolia Group (Spectratime) Business Overview

6.2.3 Orolia Group (Spectratime) Atomic Clock Revenue and Gross Margin (US\$ Million) & (2019-2024)

6.2.4 Orolia Group (Spectratime) Atomic Clock Product Portfolio

6.2.5 Orolia Group (Spectratime) Recent Developments

6.3 Oscilloquartz SA

6.3.1 Oscilloquartz SA Company Information

6.3.2 Oscilloquartz SA Business Overview

6.3.3 Oscilloquartz SA Atomic Clock Revenue and Gross Margin (US\$ Million) & (2019-2024)

- 6.3.4 Oscilloquartz SA Atomic Clock Product Portfolio
- 6.3.5 Oscilloquartz SA Recent Developments
- 6.4 VREMYA-CH JSC
  - 6.4.1 VREMYA-CH JSC Company Information
  - 6.4.2 VREMYA-CH JSC Business Overview
  - 6.4.3 VREMYA-CH JSC Atomic Clock Revenue and Gross Margin (US\$ Million) & (2019-2024)
  - 6.4.4 VREMYA-CH JSC Atomic Clock Product Portfolio
  - 6.4.5 VREMYA-CH JSC Recent Developments
- 6.5 Frequency Electronics, Inc.
  - 6.5.1 Frequency Electronics, Inc. Company Information
  - 6.5.2 Frequency Electronics, Inc. Business Overview
  - 6.5.3 Frequency Electronics, Inc. Atomic Clock Revenue and Gross Margin (US\$ Million) & (2019-2024)
  - 6.5.4 Frequency Electronics, Inc. Atomic Clock Product Portfolio
  - 6.5.5 Frequency Electronics, Inc. Recent Developments
- 6.6 Stanford Research Systems
  - 6.6.1 Stanford Research Systems Company Information
  - 6.6.2 Stanford Research Systems Business Overview
  - 6.6.3 Stanford Research Systems Atomic Clock Revenue and Gross Margin (US\$ Million) & (2019-2024)
  - 6.6.4 Stanford Research Systems Atomic Clock Product Portfolio
  - 6.6.5 Stanford Research Systems Recent Developments
- 6.7 Casic
  - 6.7.1 Casic Company Information
  - 6.7.2 Casic Business Overview
  - 6.7.3 Casic Atomic Clock Revenue and Gross Margin (US\$ Million) & (2019-2024)
  - 6.7.4 Casic Atomic Clock Product Portfolio
  - 6.7.5 Casic Recent Developments
- 6.8 AccuBeat Ltd
  - 6.8.1 AccuBeat Ltd Company Information
  - 6.8.2 AccuBeat Ltd Business Overview
  - 6.8.3 AccuBeat Ltd Atomic Clock Revenue and Gross Margin (US\$ Million) & (2019-2024)
  - 6.8.4 AccuBeat Ltd Atomic Clock Product Portfolio
  - 6.8.5 AccuBeat Ltd Recent Developments
- 6.9 Chengdu Spaceon Electronics
  - 6.9.1 Chengdu Spaceon Electronics Company Information
  - 6.9.2 Chengdu Spaceon Electronics Business Overview

6.9.3 Chengdu Spaceon Electronics Atomic Clock Revenue and Gross Margin (US\$ Million) & (2019-2024)

6.9.4 Chengdu Spaceon Electronics Atomic Clock Product Portfolio

6.9.5 Chengdu Spaceon Electronics Recent Developments

6.10 Shanghai Astronomical Observatory

6.10.1 Shanghai Astronomical Observatory Company Information

6.10.2 Shanghai Astronomical Observatory Business Overview

6.10.3 Shanghai Astronomical Observatory Atomic Clock Revenue and Gross Margin (US\$ Million) & (2019-2024)

6.10.4 Shanghai Astronomical Observatory Atomic Clock Product Portfolio

6.10.5 Shanghai Astronomical Observatory Recent Developments

## **7 NORTH AMERICA**

7.1 North America Atomic Clock Market Size (2019-2030)

7.2 North America Atomic Clock Market Size by Type

7.2.1 North America Atomic Clock Market Size by Type (2019-2024)

7.2.2 North America Atomic Clock Market Size by Type (2025-2030)

7.2.3 North America Atomic Clock Market Share by Type (2019-2030)

7.3 North America Atomic Clock Market Size by Application

7.3.1 North America Atomic Clock Market Size by Application (2019-2024)

7.3.2 North America Atomic Clock Market Size by Application (2025-2030)

7.3.3 North America Atomic Clock Market Share by Application (2019-2030)

7.4 North America Atomic Clock Market Size by Country

7.4.1 North America Atomic Clock Market Size by Country (2019 VS 2023 VS 2030)

7.4.2 North America Atomic Clock Market Size by Country (2019-2024)

7.4.3 North America Atomic Clock Market Size by Country (2025-2030)

7.4.4 North America Atomic Clock Market Share by Country (2019-2030)

7.4.5 United States

7.4.6 Canada

## **8 EUROPE**

8.1 Europe Atomic Clock Market Size (2019-2030)

8.2 Europe Atomic Clock Market Size by Type

8.2.1 Europe Atomic Clock Market Size by Type (2019-2024)

8.2.2 Europe Atomic Clock Market Size by Type (2025-2030)

8.2.3 Europe Atomic Clock Market Share by Type (2019-2030)

8.3 Europe Atomic Clock Market Size by Application

- 8.3.1 Europe Atomic Clock Market Size by Application (2019-2024)
- 8.3.2 Europe Atomic Clock Market Size by Application (2025-2030)
- 8.3.3 Europe Atomic Clock Market Share by Application (2019-2030)
- 8.4 Europe Atomic Clock Market Size by Country
  - 8.4.1 Europe Atomic Clock Market Size by Country (2019 VS 2023 VS 2030)
  - 8.4.2 Europe Atomic Clock Market Size by Country (2019-2024)
  - 8.4.3 Europe Atomic Clock Market Size by Country (2025-2030)
  - 8.4.4 Europe Atomic Clock Market Share by Country (2019-2030)
  - 8.4.5 Germany
  - 8.4.6 France
  - 8.4.7 U.K.
  - 8.4.8 Italy
  - 8.4.9 Russia
  - 8.4.10 Nordic Countries

## **9 CHINA**

- 9.1 China Atomic Clock Market Size (2019-2030)
- 9.2 China Atomic Clock Market Size by Type
  - 9.2.1 China Atomic Clock Market Size by Type (2019-2024)
  - 9.2.2 China Atomic Clock Market Size by Type (2025-2030)
  - 9.2.3 China Atomic Clock Market Share by Type (2019-2030)
- 9.3 China Atomic Clock Market Size by Application
  - 9.3.1 China Atomic Clock Market Size by Application (2019-2024)
  - 9.3.2 China Atomic Clock Market Size by Application (2025-2030)
  - 9.3.3 China Atomic Clock Market Share by Application (2019-2030)

## **10 ASIA**

- 10.1 Asia Atomic Clock Market Size (2019-2030)
- 10.2 Asia Atomic Clock Market Size by Type
  - 10.2.1 Asia Atomic Clock Market Size by Type (2019-2024)
  - 10.2.2 Asia Atomic Clock Market Size by Type (2025-2030)
  - 10.2.3 Asia Atomic Clock Market Share by Type (2019-2030)
- 10.3 Asia Atomic Clock Market Size by Application
  - 10.3.1 Asia Atomic Clock Market Size by Application (2019-2024)
  - 10.3.2 Asia Atomic Clock Market Size by Application (2025-2030)
  - 10.3.3 Asia Atomic Clock Market Share by Application (2019-2030)
- 10.4 Asia Atomic Clock Market Size by Country

- 10.4.1 Asia Atomic Clock Market Size by Country (2019 VS 2023 VS 2030)
- 10.4.2 Asia Atomic Clock Market Size by Country (2019-2024)
- 10.4.3 Asia Atomic Clock Market Size by Country (2025-2030)
- 10.4.4 Asia Atomic Clock Market Share by Country (2019-2030)
- 10.4.5 Japan
- 10.4.6 South Korea
- 10.4.7 China Taiwan
- 10.4.8 Southeast Asia
- 10.4.9 India
- 10.4.10 Australia

## **11 MEALA**

- 11.1 MEALA Atomic Clock Market Size (2019-2030)
- 11.2 MEALA Atomic Clock Market Size by Type
  - 11.2.1 MEALA Atomic Clock Market Size by Type (2019-2024)
  - 11.2.2 MEALA Atomic Clock Market Size by Type (2025-2030)
  - 11.2.3 MEALA Atomic Clock Market Share by Type (2019-2030)
- 11.3 MEALA Atomic Clock Market Size by Application
  - 11.3.1 MEALA Atomic Clock Market Size by Application (2019-2024)
  - 11.3.2 MEALA Atomic Clock Market Size by Application (2025-2030)
  - 11.3.3 MEALA Atomic Clock Market Share by Application (2019-2030)
- 11.4 MEALA Atomic Clock Market Size by Country
  - 11.4.1 MEALA Atomic Clock Market Size by Country (2019 VS 2023 VS 2030)
  - 11.4.2 MEALA Atomic Clock Market Size by Country (2019-2024)
  - 11.4.3 MEALA Atomic Clock Market Size by Country (2025-2030)
  - 11.4.4 MEALA Atomic Clock Market Share by Country (2019-2030)
  - 11.4.5 Brazil
  - 11.4.6 Mexico
  - 11.4.7 Turkey
  - 11.4.8 Israel
  - 11.4.9 GCC Countries

## **12 CONCLUDING INSIGHTS**

## **13 APPENDIX**

- 13.1 Reasons for Doing This Study
- 13.2 Research Methodology

- 13.3 Research Process
- 13.4 Authors List of This Report
- 13.5 Data Source
  - 13.5.1 Secondary Sources
  - 13.5.2 Primary Sources
- 13.6 Disclaimer

## I would like to order

Product name: Global Atomic Clock Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

Product link: <https://marketpublishers.com/r/GAFBEC1C2669EN.html>

Price: US\$ 3,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GAFBEC1C2669EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

