

Automotive Watchdog Timers Market, Global Outlook and Forecast 2022-2028

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Abstracts

A watchdog timer (WDT) is a timer that monitors microcontroller (MCU) programs to see if they are out of control or have stopped operating. It acts as a “watchdog” watching over MCU operation.

A microcontroller (MCU) is a compact processor for controlling electronic devices. Integrated into a wide variety of electronic devices, MCUs come pre-loaded with program software whose commands are used to control electronic devices.

This makes safeguarding normal MCU operation essential. Should the MCU program, for some reason, run out of control or stop running altogether, the electronic device may behave erratically, which in the worst case could cause damage or an accident.

To proactively prevent such incidents, it falls to the role of the watchdog timer to constantly watch over the MCU to ensure it is operating normally.

This report contains market size and forecasts of Automotive Watchdog Timers in global, including the following market information:

Global Automotive Watchdog Timers Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Automotive Watchdog Timers Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Automotive Watchdog Timers companies in 2021 (%)

The global Automotive Watchdog Timers market was valued at million in 2021 and is

projected to reach US\$ million by 2028, at a CAGR of % during the forecast period 2022-2028.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Window Mode Watchdog Timer Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Automotive Watchdog Timers include ABLIC, Analog Devices, STMicroelectronics, Maxim Integrated Products, Inc., Microchip Technology Inc, Texas Instruments, ACCES I/O Products, Inc., ROHM and Renesas, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Automotive Watchdog Timers manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Automotive Watchdog Timers Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Automotive Watchdog Timers Market Segment Percentages, by Type, 2021 (%)

Window Mode Watchdog Timer

Timeout Mode Watchdog Timer

Global Automotive Watchdog Timers Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Automotive Watchdog Timers Market Segment Percentages, by Application, 2021 (%)

Fuel Car

BEV/PHEV

Global Automotive Watchdog Timers Market, By Region and Country, 2017-2022,
2023-2028 (\$ Millions) & (K Units)

Global Automotive Watchdog Timers Market Segment Percentages, By Region and
Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Automotive Watchdog Timers revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Automotive Watchdog Timers revenues share in global market, 2021

(%)

Key companies Automotive Watchdog Timers sales in global market, 2017-2022
(Estimated), (K Units)

Key companies Automotive Watchdog Timers sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

ABLIC

Analog Devices

STMicroelectronics

Maxim Integrated Products, Inc.

Microchip Technology Inc

Texas Instruments

ACCES I/O Products, Inc.

ROHM

Renesas

Acromag, Inc.

RICOH

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