

# Global Pulse-width Modulation (PWM) Controllers Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

Pulse-width modulation (PWM), or pulse-duration modulation (PDM), is a modulation technique used to encode a message into a pulsing signal. Although this modulation technique can be used to encode information for transmission, its main use is to allow the control of the power supplied to electrical devices, especially to inertial loads such as motors. In addition, PWM is one of the two principal algorithms used in photovoltaic solar battery chargers, the other being maximum power point tracking.

According to our (Global Info Research) latest study, the global Pulse-width Modulation (PWM) Controllers market size was valued at USD 9384.7 million in 2022 and is forecast to a readjusted size of USD 11520 million by 2029 with a CAGR of 3.0% during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

North America is the largest producer of Pulse Width Modulation (PWM) Controllers, with a market share nearly 51%, followed by Europe and China, etc. Analog Devices (Linear Technology), Texas Instruments, STMicroelectronics, Microchip Technology and Infin?

This report is a detailed and comprehensive analysis for global Pulse-width Modulation (PWM) Controllers market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

## Key Features:

Global Pulse-width Modulation (PWM) Controllers market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Pulse-width Modulation (PWM) Controllers market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Pulse-width Modulation (PWM) Controllers market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Pulse-width Modulation (PWM) Controllers market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2018-2023

## The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Pulse-width Modulation (PWM) Controllers

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Pulse-width Modulation (PWM) Controllers market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Analog Devices, Texas Instruments, STMicroelectronics, Onsemi and Microchip Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

## Market Segmentation

Pulse-width Modulation (PWM) Controllers market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

Voltage Mode PWM Controllers

Current Mode PWM Controllers

#### Market segment by Application

Communication

Automotive

Consumer Electronics

Industrial

Others

#### Major players covered

Analog Devices

Texas Instruments

STMicroelectronics

Onsemi

Microchip Technology

Renesas Electronics

Maxim Integrated

Vishay

Infineon

Diodes Incorporated

Fairchild Semiconductor

Active-Semi

Microsemiconductor

Intersil

Exar Corporation

Semtech

NXP

Richtek

Monolithic Power Systems

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Pulse-width Modulation (PWM) Controllers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Pulse-width Modulation (PWM) Controllers, with price, sales, revenue and global market share of Pulse-width Modulation (PWM) Controllers from 2018 to 2023.

Chapter 3, the Pulse-width Modulation (PWM) Controllers competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Pulse-width Modulation (PWM) Controllers breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Pulse-width Modulation (PWM) Controllers market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Pulse-width Modulation (PWM) Controllers.

Chapter 14 and 15, to describe Pulse-width Modulation (PWM) Controllers sales channel, distributors, customers, research findings and conclusion.

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