

# Embedded Operating Systems Market, Global Outlook and Forecast 2022-2028

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## Abstracts

An embedded operating system (OS) is a type of OS that is used in embedded computing devices. The term 'embedded' refers to devices that are installed (that is, embedded) as built-in components of a wider system, in which they serve a special, functional purpose. Embedded OSs differ from other types of OSs by their optimized design. Form factors, price points and other parameters of embedded devices set constraints on the OS, for example, in terms of functionality, user interface, memory space and driver support. Consequently, the architectures of embedded OSs tend to be extensively optimized for single-purpose deployment, stripped out of anything that is considered unnecessary for their use. This does not mean that embedded OSs cannot be applied outside of embedded devices. For instance, it is common to see embedded real-time operating systems (RTOSs) being used to handle the baseband functionality in smartphones.

This report contains market size and forecasts of Embedded Operating Systems in Global, including the following market information:

Global Embedded Operating Systems Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global top five companies in 2021 (%)

The global Embedded Operating Systems market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

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

Single System Control Loop Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Embedded Operating Systems include Canonical, Microsoft, Google, Wind River, Concurrent Real-Time, NXP Semiconductors and Green Hills Software, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Embedded Operating Systems companies, and industry experts on this industry, involving the revenue, demand, product type, recent developments and plans, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Embedded Operating Systems Market, by Type, 2017-2022, 2023-2028 (\$ millions)

Global Embedded Operating Systems Market Segment Percentages, by Type, 2021 (%)

Single System Control Loop

Multi-Tasking Operating System

Rate Monotonic Operating System

Preemptive Operating System

Others

Global Embedded Operating Systems Market, by Application, 2017-2022, 2023-2028 (\$ millions)

Global Embedded Operating Systems Market Segment Percentages, by Application, 2021 (%)

Consumer Electronics

Industrial Control

Security and Building Automation

Other

Global Embedded Operating Systems Market, By Region and Country, 2017-2022,  
2023-2028 (\$ Millions)

Global Embedded Operating Systems 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 Embedded Operating Systems revenues in global market, 2017-2022 (estimated), (\$ millions)

Key companies Embedded Operating Systems revenues share in global market, 2021 (%)

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

Canonical

Microsoft

Google

Wind River

Concurrent Real-Time

NXP Semiconductors

Green Hills Software

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