

North America Single Board Computer Market By Processor (X86, ARM, ATOM, and PowerPC), By End User (Industrial Automation, Aerospace & Defense, Consumer Electronics, Healthcare and Others), By Country, Industry Analysis and Forecast, 2020 - 2026

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Abstracts

The North America Single Board Computer Market would witness market growth of 7% CAGR during the forecast period (2020-2026).

Single-board computers are built on a circuit board with all the necessary features, for example, microprocessor, memory, and input/output. They are built of various types of microprocessors and are frequently designed by computer hobbyists to utilize static RAM and low cost 8-bit or 16-bit processors. These have applications in home computers, portable devices, especially gaming (slot machines and video poker), kiosks, and machine control automation to limit the shape and size of these computers, for example, notebooks.

The utilization of single-board computers in notebooks, mobile phones, and gaming frameworks is expanding, attributable to the development of the single-board computer market with upcoming innovations such as the Internet of Things (IoT). Along these lines, the utilization of smart technology and computer in electronic devices has augmented the development capability of the worldwide single board computer market. Development of technology, for example, artificial intelligence has made the hardware more complicated and compact, in this manner requiring the utilization of a single board circuit in such computers. Apart from the complicated structure application of single board computers, it can also be utilized in simple computers, which contain input and output functions.

The outbreak of the COVID-19 pandemic created uncertainty in the stock market, a massive slowdown of the supply chain, reduced business confidence, and expanded panic among the client segments. The general effect of the pandemic affected the production cycle of a few industries, including semiconductors and electronics, and many more. Trade barriers further constrain the demand and supply perspective. Governments of various nations have already announced complete lockdown and briefly shut down industries, which unfavorably influenced the overall production process.

Based on Processor, the market is segmented into X86, ARM, ATOM, and PowerPC. Based on End User, the market is segmented into Industrial Automation, Aerospace & Defense, Consumer Electronics, Healthcare and Others. Based on countries, the market is segmented into U.S., Mexico, Canada, and Rest of North America.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include Qualcomm, Inc., Xilinx, Inc., Texas Instruments, Inc., Intel Corporation, Advantech Co., Ltd., Eurotech Group PLC, Digi International, Inc., Mercury Systems, Inc., Adlink Technology, Inc., and Aaeon Technologies, Inc.

Scope of the Study

Market Segmentation:

By Processor

X86

ARM

ATOM

PowerPC

By End User

Industrial Automation

Aerospace & Defense

Consumer Electronics

Healthcare

Others

By Country

US

Canada

Mexico

Rest of North America

Companies Profiled

Qualcomm, Inc.

Xilinx, Inc.

Texas Instruments, Inc.

Intel Corporation

Advantech Co., Ltd.

Eurotech Group PLC

Digi International, Inc.

Mercury Systems, Inc.

Adlink Technology, Inc.

Aaeon Technologies, Inc.

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