

Global Industrial IoT Development Board Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Industrial IoT Development Board market size is expected to reach \$ 1307 million by 2032, rising at a market growth of 10.3% CAGR during the forecast period (2026-2032).

In 2025, global Industrial IoT Development Board production reached approximately 15.24 million units, with an average global market price of around US\$42 per unit.

The gross profit margin of major companies in the industry is between 24% ? 42%.

In 2025, the global production capacity of Industrial IoT Development Board was approximately 20.32 million units.

Industrial IoT Development Board is a hardware platform used for prototyping, testing, and deploying industrial connected devices. It integrates processors, communication interfaces, sensors, and expansion ports to support data acquisition, edge control, remote monitoring, and connectivity in automation and industrial IoT applications.

The industrial chain includes upstream chips, sensors, wireless modules, PCBs, connectors, power components, and firmware tools. Midstream covers board design, SMT assembly, software adaptation, testing, and packaging. Downstream applications mainly include factory automation, smart equipment, energy monitoring, logistics, robotics, and industrial data collection.

The industrial IoT development board market continues to expand with the advancement of smart manufacturing and edge intelligence. These modular hardware solutions accelerate industrial application development, support multi-protocol

communication, and adapt to complex industrial environments, lowering the threshold for industrial digital transformation.

This report studies the global Industrial IoT Development Board production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Industrial IoT Development Board and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Industrial IoT Development Board that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Industrial IoT Development Board total production and demand, 2021-2032, (K Units)

Global Industrial IoT Development Board total production value, 2021-2032, (USD Million)

Global Industrial IoT Development Board production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Industrial IoT Development Board consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Industrial IoT Development Board domestic production, consumption, key domestic manufacturers and share

Global Industrial IoT Development Board production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Industrial IoT Development Board production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Industrial IoT Development Board production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Industrial IoT Development Board 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 Advantech, Siemens, Arduino, NXP, STMicroelectronics, Seeed Studio, M5Stack, Hikrobot, Quectel, Forlinx, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Industrial IoT Development Board market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Industrial IoT Development Board Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Industrial IoT Development Board Market, Segmentation by Type:

MCU-based Development Board

MPU-based Development Board

AI Edge Development Board

Global Industrial IoT Development Board Market, Segmentation by Connectivity Type:

Ethernet Development Board

Wireless Development Board

Multi-protocol Development Board

Global Industrial IoT Development Board Market, Segmentation by Operating Voltage:

Low Voltage Development Board (?5V)

Medium Voltage Development Board (5?24V)

Industrial Voltage Development Board (?24V)

Global Industrial IoT Development Board Market, Segmentation by Application:

Conductive Additive

Factory Automation

Energy Monitoring

Smart Equipment Development

Other

Companies Profiled:

Advantech

Siemens

Arduino

NXP

STMicroelectronics

Seeed Studio

M5Stack

Hikrobot

Quectel

Forlinx

Firefly

Key Questions Answered:

1. How big is the global Industrial IoT Development Board market?
2. What is the demand of the global Industrial IoT Development Board market?
3. What is the year over year growth of the global Industrial IoT Development Board market?
4. What is the production and production value of the global Industrial IoT Development Board market?
5. Who are the key producers in the global Industrial IoT Development Board market?
6. What are the growth factors driving the market demand?

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