

Global IoT Sensors & Gateways Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global IoT Sensors & Gateways market size is expected to reach \$ 6145 million by 2032, rising at a market growth of 14.3% CAGR during the forecast period (2026-2032).

In 2025, global IoT Sensors & Gateways production reached approximately 23.4 million units, with an average global market price of around US\$ 100 per unit. Annual production capacity is 30 million units. Gross Profit Margin: 39%. IoT Sensors & Gateways refer to the core hardware infrastructure of the Internet of Things ecosystem, where IoT sensors collect real-world data such as temperature, humidity, pressure, motion, light, gas levels, and vibration, while IoT gateways act as intermediary devices that aggregate, process, and transmit this data to cloud platforms or enterprise systems. The IoT sensors and gateways industry chain starts upstream with semiconductor chips, MEMS sensor components, RF modules, and communication chips, which enable sensing and connectivity functions; midstream manufacturers integrate these components into IoT sensors and gateways with embedded firmware, edge processing, and communication protocols; downstream applications span industrial IoT, smart cities, smart homes, healthcare, agriculture, and energy systems, where devices collect, transmit, and process real-time data to support monitoring, automation, and decision-making. This market is rapidly shifting from hardware-driven connectivity to software-defined edge intelligence, where gateways are becoming mini edge-computing nodes rather than simple data relays.

This report studies the global IoT Sensors & Gateways production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for IoT Sensors & Gateways 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 IoT Sensors & Gateways that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global IoT Sensors & Gateways total production and demand, 2021-2032, (K Units)

Global IoT Sensors & Gateways total production value, 2021-2032, (USD Million)

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

Global IoT Sensors & Gateways consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: IoT Sensors & Gateways domestic production, consumption, key domestic manufacturers and share

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

Global IoT Sensors & Gateways production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global IoT Sensors & Gateways production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global IoT Sensors & Gateways 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 Honeywell International Inc. (NASDAQ: HON, USA), Siemens AG (ETR: SIE, Germany), Schneider Electric SE (EPA: SU, France), ABB Ltd. (SIX: ABBN, Switzerland), Emerson Electric Co. (NYSE: EMR, USA), Rockwell Automation, Inc. (NYSE: ROK, USA), General Electric (GE Digital) (NYSE: GE, USA), Cisco Systems, Inc. (NASDAQ: CSCO, USA), Advantech Co., Ltd. (TWSE: 2395, Taiwan), Moxa Inc. (Private, Taiwan), 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 IoT Sensors & Gateways 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 IoT Sensors & Gateways Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global IoT Sensors & Gateways Market, Segmentation by Type:

IoT Sensors (Environmental, Motion, Pressure, Gas, Temperature, Vibration, Image Sensors)

IoT Gateways (Industrial Gateways, Edge Gateways, Cloud Gateways)

Integrated Sensor Modules (Multi-Sensor Fusion Devices)

Global IoT Sensors & Gateways Market, Segmentation by Sensor Technology:

MEMS Sensors

CMOS Image Sensors

RF / Wireless Sensors

Optical Sensors

Gas & Chemical Sensors

Inertial Sensors (Accelerometer, Gyroscope)

Global IoT Sensors & Gateways Market, Segmentation by Connectivity Technology:

Wi-Fi

Bluetooth / BLE

Zigbee / Z-Wave

LoRa / LPWAN

NB-IoT / LTE-M

5G / 4G LTE

Ethernet / Industrial Protocols (Modbus, PROFINET)

Global IoT Sensors & Gateways Market, Segmentation by Application:

Industrial Enterprises

Government & Public Sector

Healthcare Institutions

Consumer Electronics Companies

Energy & Utility Providers

Agriculture & Food Industry

Companies Profiled:

Honeywell International Inc. (NASDAQ: HON, USA)

Siemens AG (ETR: SIE, Germany)

Schneider Electric SE (EPA: SU, France)

ABB Ltd. (SIX: ABBN, Switzerland)

Emerson Electric Co. (NYSE: EMR, USA)

Rockwell Automation, Inc. (NYSE: ROK, USA)

General Electric (GE Digital) (NYSE: GE, USA)

Cisco Systems, Inc. (NASDAQ: CSCO, USA)

Advantech Co., Ltd. (TWSE: 2395, Taiwan)

Moxa Inc. (Private, Taiwan)

Bosch Sensortec GmbH (Subsidiary of Robert Bosch GmbH, Germany)

STMicroelectronics N.V. (NYSE: STM, Switzerland)

Texas Instruments Incorporated (NASDAQ: TXN, USA)

Huawei Technologies Co., Ltd. (Private, China)

ZTE Corporation (SZSE: 000063 / HKEX: 0763, China)

Quectel Wireless Solutions Co., Ltd. (SHA: 603236, China)

Fibocom Wireless Inc. (SZSE: 300638, China)

China Mobile IoT Company Limited (Subsidiary of China Mobile, China)

Key Questions Answered:

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

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