

Global IoT Remote Reading Water Meter Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global IoT Remote Reading Water Meter market size is expected to reach \$ 578 million by 2032, rising at a market growth of 5.7% CAGR during the forecast period (2026-2032).

IoT Remote Reading Water Meter refers to a smart water metering device integrated with communication modules and sensors that automatically collect, transmit, and analyze water consumption data in real time through Internet of Things (IoT) networks, enabling remote monitoring, billing, leak detection, and water resource management without manual meter reading.

The IoT remote reading water meter industry chain consists of upstream suppliers providing raw materials and core components such as brass, plastics, electronic chips, communication modules, sensors, and batteries; midstream manufacturers integrating metering mechanisms, IoT communication technologies, embedded software, and data management platforms into complete smart water meter systems while conducting assembly, calibration, and quality testing; and downstream stakeholders including municipal water utilities, industrial users, commercial buildings, and smart city operators that deploy these meters for automated billing, leakage detection, water conservation, and digital infrastructure upgrades, supported by system integrators and after-sales service providers.

Globally, numerous smart water infrastructure projects are under construction or planned, including large-scale municipal smart metering rollouts in China and India, nationwide smart water grid upgrades across Southeast Asia, digital water transformation programs in Europe replacing legacy meters with IoT-enabled systems, advanced metering infrastructure (AMI) deployments in North America, smart irrigation

and rural water monitoring projects in Africa and the Middle East, and integrated smart city initiatives that combine water, electricity, and gas metering platforms, with governments and utilities investing heavily in reducing non-revenue water, improving billing efficiency, and enhancing sustainable water resource management.

2025 Global Market sales Volume: 8.5 Million Units. Average Global Market Price: USD 45 per Unit. Market Average Gross Profit Margin: 28%.

The IoT Remote Reading Water Meter market is experiencing rapid expansion as global water utilities and governments accelerate digital transformation initiatives to improve efficiency, reduce water loss, and enhance billing accuracy. The shift from traditional mechanical meters to smart metering systems is driven by the increasing adoption of smart city frameworks, advancements in low-power wide-area network technologies, and the need for real-time data analytics in water management. As urban populations grow and water scarcity becomes more critical, utilities are prioritizing intelligent monitoring systems that enable proactive leak detection, demand forecasting, and resource optimization. The integration of IoT platforms with cloud computing and data analytics further strengthens the value proposition of these meters.

Regionally, Asia-Pacific dominates the market due to large-scale infrastructure investments and aggressive smart city development in countries such as China and India, where government policies strongly support digital water management. Europe follows with mature adoption driven by regulatory requirements for water efficiency and sustainability, while North America continues to expand through advanced metering infrastructure upgrades and replacement of aging systems. Emerging regions such as the Middle East, Africa, and Latin America are witnessing increasing adoption, supported by water scarcity concerns, urbanization, and international funding for infrastructure modernization. However, adoption rates vary depending on economic conditions, regulatory frameworks, and technical readiness.

Market development opportunities are significant, particularly in reducing non-revenue water, integrating smart water meters with broader IoT ecosystems, and expanding applications in agriculture and industrial water monitoring. The evolution of communication technologies such as NB-IoT and LoRaWAN enables cost-effective large-scale deployment, further accelerating market growth. However, the market also faces risks, including high upfront investment costs, cybersecurity concerns related to connected infrastructure, interoperability challenges between different systems, and potential resistance from utilities with limited technical capabilities. Additionally, battery life limitations and maintenance requirements can impact long-term operational

efficiency.

Key market trends include the increasing adoption of ultrasonic metering technology for higher accuracy, the shift toward fully wireless and low-power solutions, and the integration of artificial intelligence for predictive maintenance and consumption analysis. There is also a growing emphasis on sustainability, with utilities focusing on reducing water waste and improving environmental performance. In terms of competitive characteristics, the market is moderately fragmented, with global metering companies, regional manufacturers, and IoT solution providers competing on technology, cost, and service capabilities. Leading players are investing heavily in R&D, forming strategic partnerships with telecom operators and software providers, and expanding their presence in emerging markets to strengthen their competitive positions and capture long-term growth opportunities.

This report studies the global IoT Remote Reading Water Meter production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for IoT Remote Reading Water Meter 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 Remote Reading Water Meter that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global IoT Remote Reading Water Meter total production and demand, 2021-2032, (K Units)

Global IoT Remote Reading Water Meter total production value, 2021-2032, (USD Million)

Global IoT Remote Reading Water Meter production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global IoT Remote Reading Water Meter consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: IoT Remote Reading Water Meter domestic production, consumption, key domestic manufacturers and share

Global IoT Remote Reading Water Meter production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global IoT Remote Reading Water Meter production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global IoT Remote Reading Water Meter production by Application, production, value,

CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global IoT Remote Reading Water Meter 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 ZENNER, Maddalena, Sanchuan Smart Technology Co., Ltd, Ningbo Donghai Group, Shaanxi Water Development Group, QingDao iESLab, Wuhan Hanshui High-Tech Technology Co, Hanwei Electronics Group Corporation, Honeywell, Kamstrup, 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 Remote Reading Water Meter 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 Remote Reading Water Meter Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global IoT Remote Reading Water Meter Market, Segmentation by Type:

NB-IoT

LoRa

Others

Global IoT Remote Reading Water Meter Market, Segmentation by Metering Principle:

Mechanical Water Meter

Ultrasonic Water Meter

Electromagnetic Water Meter

Global IoT Remote Reading Water Meter Market, Segmentation by Data Transmission Mode:

Wired Remote Water Meter

Wireless Remote Water Meter

Global IoT Remote Reading Water Meter Market, Segmentation by Application:

Residential

Commercial

Industrial

Companies Profiled:

ZENNER

Maddalena

Sanchuan Smart Technology Co., Ltd

Ningbo Donghai Group

Shaanxi Water Development Group

QingDao iESLab

Wuhan Hanshui High-Tech Technology Co

Hanwei Electronics Group Corporation

Honeywell

Kamstrup

Landis+Gyr

EMS (ENERGY MANAGEMENT SYSTEM Co., Ltd)

Hangzhou Water Meter Co., Ltd

Ningbo Jiangbei Water Meter Factory

Key Questions Answered:

1. How big is the global IoT Remote Reading Water Meter market?
2. What is the demand of the global IoT Remote Reading Water Meter market?
3. What is the year over year growth of the global IoT Remote Reading Water Meter market?
4. What is the production and production value of the global IoT Remote Reading Water Meter market?
5. Who are the key producers in the global IoT Remote Reading Water Meter market?

6. What are the growth factors driving the market demand?

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