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Global IoT Antennas Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global IoT Antennas market size is expected to reach $ 11713 million by 2032, rising at a market growth of 9.6% CAGR during the forecast period (2026-2032).

IoT antennas are critical RF components used in IoT devices and systems to enable stable transmit and receive performance for cellular and non cellular LPWA connectivity under tight space constraints and complex installation environments, while meeting mass production consistency and certification requirements. Products are commonly organized into internal and external antennas. Internal designs emphasize compact size, mountability, and tunability, while external designs emphasize installation convenience and environmental robustness. In terms of connectivity standards, many offerings focus on cellular IoT, covering NB IoT and LTE M and related cellular bands, while sub 1 GHz non cellular LPWA solutions are also used for technologies such as LoRa and Sigfox. Multi band and multi standard designs, including combo antennas, help reduce PCB complexity and BOM. The prevailing delivery model combines catalog products with device level tuning, testing, and certification support. Differentiation is typically built around band coverage, efficiency, gain, VSWR, size, connector options, and robustness, as well as faster integration for use cases such as smart metering, asset tracking, industrial monitoring, and gateways or routers.

The IoT antenna market is shifting from a standalone RF component business to a system-level connectivity enabler. Value is no longer determined solely by electrical metrics such as gain and efficiency, but by a combination of band coverage, device-level integration, and manufacturing consistency. Supplier catalogs commonly organize offerings by internal, external, combo, and vehicle form factors and present clear integration paths around cellular and LPWA standards. Across vendor pages, NB-IoT and LTE-M repeatedly appear as the core cellular IoT rails, positioned alongside legacy

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cellular bands and, increasingly, 5G. This signals that OEMs prefer antenna platforms that can span regions and operator band plans while remaining tunable and integration-friendly. From an engineering perspective, embedded FR4, SMD mountable designs, and flexible antennas are emphasized to deliver stable RF performance in compact devices, reduce PCB and assembly complexity, and shorten the path from prototypes to volume production.

On the demand side, the most certain growth comes from scalable deployments such as smart metering, asset tracking, and industrial monitoring. These scenarios place stronger requirements on low power, coverage, and reliability, directly accelerating adoption of sub-GHz and cellular IoT antennas. Vendor pages frequently tag Smart Metering and Asset Tracking as key use cases and highlight metrics such as high radiation efficiency, near-omnidirectional patterns, and stable connectivity in real environments. For example, sub-GHz antennas targeting Europe's unlicensed band emphasize high efficiency and swapability so customers can shift between adjacent bands on the same PCB without redesigning the mechanical structure. Meanwhile, medical wearables, automotive, and smart-city IoT are increasing their use of multi-standard and combo antennas to reduce antenna count inside the device and improve roaming and positioning experiences. These trends will further drive demand for multi-band, multi-antenna designs and higher environmental robustness.

On the supply side, competition is evolving toward a combined model of standard catalog products plus services. Leading vendors expand catalogs to cover diverse mounting conditions across endpoints and infrastructure and offer multi-band platform products to maximize reuse. At the same time, many suppliers emphasize engineering support, application collateral, and test capabilities, including design tools, application notes, downloadable resources, and OTA and measurement lab capabilities. This reflects the reality that tuning, certification, and manufacturing consistency in real-world environments are now decisive success factors. Regionally, US and European players and Japanese suppliers often show depth in catalog breadth and high-performance SMD solutions, while Chinese suppliers move aggressively on full form-factor coverage, scalable manufacturing, and cost-effective delivery, and they also incorporate multiple IoT technology stacks such as NB-IoT, LoRa, and Wi-SUN into solution narratives. The industry is therefore likely to converge on a division of labor built around platformized products plus localized engineering services, with sustained demand release in high-certainty scenarios such as smart metering, industrial IoT, and automotive.

This report studies the global IoT Antennas production, demand, key manufacturers, and key regions.

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

Highlights and key features of the study

Global IoT Antennas total production and demand, 2021-2032, (K Units)

Global IoT Antennas total production value, 2021-2032, (USD Million)

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

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

U.S. VS China: IoT Antennas domestic production, consumption, key domestic manufacturers and share

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

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

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

This report profiles key players in the global IoT Antennas 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 Taoglas, KYOCERA AVX, Molex, TE Connectivity (incl. Linx), Abracon, Antenova, Ezurio (formerly Laird Connectivity), Amphenol, Pulse Electronics, Unictron Technologies, etc.

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

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

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Units) and average price (USD/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 Antennas Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global IoT Antennas Market, Segmentation by Type:

Chip Antennas

Wire Antennas

Whip Antennas

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PCB Antennas

Proprietary Antennas

Global IoT Antennas Market, Segmentation by Installation Form:

Internal Antenna

External Antenna

Global IoT Antennas Market, Segmentation by Connectivity Standard:

Cellular IoT Antenna

Non-Cellular LPWA Antenna

Global IoT Antennas Market, Segmentation by Application:

Industrial Applications

Commercial Applications

Consumer Applications

Companies Profiled:

Taoglas

KYOCERA AVX

Molex

TE Connectivity (incl. Linx)

Abracon

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Antenova

Ezurio (formerly Laird Connectivity)

Amphenol

Pulse Electronics

Unictron Technologies

Yokowo

InnoTek Antenna Labs

SYCOM21

Shenzhen Sunway Communication

Luxshare Precision

Huizhou SPEED Wireless Technology Co., Ltd.

Key Questions Answered:

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

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