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

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Abstracts

The global IoT Antennas in Electronic Devices market size is expected to reach $ 19317 million by 2032, rising at a market growth of 15.2% CAGR during the forecast period (2026-2032).

IoT antennas used in electronic devices are embedded or external RF radiating and receiving components that turn a device?s cellular and non cellular wireless capability into a manufacturable hardware solution. The core objective is to deliver predictable link budget and unit to unit consistency within tight space and complex electromagnetic environments, while reducing RF tuning and debugging time during product integration. Main technology approaches include chip and multilayer ceramic antennas, flexible or rigid PCB antennas, external whip and adhesive mount antennas, and combination antennas designed for multi standard coexistence. Typical coverage spans 4G and 5G including MIMO, Wi Fi and Bluetooth, GNSS, NFC, UWB, and Sub GHz ISM and LoRa bands, with matching networks and tuning methods enabling system level coordination with the antenna keep out area and the overall platform design. Common applications include smart metering, asset tracking and positioning, industrial monitoring and remote operations, smart home and gateways, automotive and logistics terminals, and wearables and medical wellness devices. Commercial delivery is often driven by catalog products plus customization and engineering support, where suppliers provide selection tools, reference designs and simulation models, testing and certification support materials, and comparable product parameters across connector and cable options, mounting methods such as adhesive magnetic and screw mount, size and operating bandwidth, combination configurations, and reliability and lifetime requirements.

IoT antennas are becoming a decisive component for whether an electronic device?s connectivity can be industrialized successfully. Their value is not limited to radiation

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efficiency, but also lies in delivering a repeatable and verifiable engineering solution that fits cellular and non cellular wireless into constrained space. Supplier portfolios typically start with two primary form factors, embedded and external, and then build catalog style selection logic around bands and multi standard combinations, enabling customers to converge quickly in systems where 4G and 5G including MIMO, Wi Fi and Bluetooth, GNSS, NFC, UWB, and Sub GHz coexist. As multi standard integration becomes the norm, the antenna is no longer a simple drop in part. It becomes a system element whose final performance is determined together with the matching network, structure and materials, antenna keep out planning, and the device?s overall electromagnetic environment. This is why suppliers continue to strengthen selection tools and engineering support, offering reference designs and model based materials to shorten tuning cycles and reduce rework risk.

From the application perspective, smart metering and asset tracking keep driving Sub GHz and cellular IoT adoption, industrial monitoring and remote operations emphasize reliability and consistency, smart home and gateways prefer multi protocol coexistence, and wearables and medical wellness devices demand stable links under ultra compact constraints and human body conditions. To address these differentiated needs, the market shows a clear productization split. On one end are highly standardized solutions represented by chip and miniature embedded antennas that emphasize size and assembly compatibility. On the other end are external and combination antennas that emphasize mounting adaptability and multi channel capability. In particular, with the MIMO trend in 5G and Wi Fi, multi channel and array style configurations are gaining importance on the device side. At the same time, mounting options and connector and cable choices are increasingly shaping total cost of ownership. Adhesive, magnetic, and screw mounted designs help devices achieve more controllable deployment and maintenance in different environments, which makes antenna selection more tightly coupled with mechanical design and manufacturing processes.

Competition on the supply side is shifting from pure specifications toward documentation and lifecycle capability. For industrial and infrastructure customers, long term availability and traceable materials are carrying more decision weight, and suppliers are making lifetime and continuity of supply more explicitly productized. Looking ahead, automotive and logistics terminals are strengthening demand for form fitting designs and multi standard integration, while capabilities such as UWB are being included more frequently in antenna combination designs for positioning and interaction, further increasing the importance of customization and system level coordination. Overall, IoT antenna growth is driven by continued stacking of wireless standards in devices and the expansion of application scenarios. Suppliers improve customer time to

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production through catalog offerings plus engineering support, and they reduce integration uncertainty through more complete selection and test materials, expanding penetration across a broader set of industry customers.

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

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

Highlights and key features of the study
Global IoT Antennas in Electronic Devices total production and demand, 2021-2032, (K Units)
Global IoT Antennas in Electronic Devices total production value, 2021-2032, (USD Million)
Global IoT Antennas in Electronic Devices production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)
Global IoT Antennas in Electronic Devices consumption by region & country, CAGR, 2021-2032 & (K Units)
U.S. VS China: IoT Antennas in Electronic Devices domestic production, consumption, key domestic manufacturers and share
Global IoT Antennas in Electronic Devices production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)
Global IoT Antennas in Electronic Devices production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)
Global IoT Antennas in Electronic Devices production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global IoT Antennas in Electronic Devices 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 2J Antennas, Abracon, Amphenol Communications Solutions, Antenova, Ezurio (formerly Laird Connectivity), HUBER+SUHNER, Ignion (Fractus Antennas), Johanson Technology, KYOCERA AVX, KYOCERA Corporation (KYOCERA AVX brand), etc.

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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 Antennas in Electronic Devices 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 in Electronic Devices Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global IoT Antennas in Electronic Devices Market, Segmentation by Type:

Chip Antennas

Wire Antennas

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Whip Antennas

PCB Antennas

Proprietary Antennas

Global IoT Antennas in Electronic Devices Market, Segmentation by Installation Form:

Internal Antenna

External Antenna

Global IoT Antennas in Electronic Devices Market, Segmentation by Connectivity Standard:

Cellular IoT Antenna

Non-Cellular LPWA Antenna

Global IoT Antennas in Electronic Devices Market, Segmentation by Application:

Consumer Electronic Devices

Industrial Electronic Devices

Companies Profiled:

2J Antennas

Abracon

Amphenol Communications Solutions

Antenova

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Ezurio (formerly Laird Connectivity)

HUBER+SUHNER

Ignion (Fractus Antennas)

Johanson Technology

KYOCERA AVX

KYOCERA Corporation (KYOCERA AVX brand)

Laird

Linx Technologies

Molex

Murata Manufacturing

Partron

Pulse Electronics

Pulse Electronics (Yageo Group)

Sunway Communication

TAIYO YUDEN

Taoglas

TDK Corporation

TE Connectivity (Linx Technologies)

Unictron Technologies Corporation

Wistron NeWeb Corporation (WNC)

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W?rth Elektronik

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

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