

## **Wireless Charging IC Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2026 - 2035**

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### **Report description:**

The Global Wireless Charging IC Market was valued at USD 3.4 billion in 2025 and is estimated to grow at a CAGR of 31% to reach USD 43.4 billion by 2035.

A wireless charging integrated circuit is a dedicated semiconductor component engineered to manage inductive power transfer within wireless charging systems. It converts alternating current supplied by the transmitting coil into direct current suitable for battery charging. These ICs also supervise communication protocols, regulate voltage and current flow, enable foreign object detection, and enhance overall energy efficiency across multiple electronic platforms. Rapid innovation in power management architecture and rising adoption of cable-free charging solutions is accelerating demand. As industries and consumers increasingly prioritize convenience, durability, and streamlined device design, manufacturers are investing heavily in advanced wireless power control technologies. Expanding integration of wireless charging capabilities into compact and high-performance electronics continues to elevate the importance of high-efficiency IC solutions worldwide.

Growing investments in automation technologies are expected to stimulate demand for wireless charging ICs further. Industrial operators are seeking efficient, low-maintenance power delivery systems that reduce physical wear and improve operational continuity. Contactless power transfer supported by wireless charging ICs minimizes reliance on mechanical connectors and enhances system reliability. Adoption is broadening across automotive, industrial, telecommunications, and consumer electronics sectors, strengthening long-term growth prospects. As standardization and safety requirements evolve, manufacturers are developing IC platforms capable of supporting secure and interoperable wireless power transfer across diverse applications. The transmitter IC segment accounted for 54.01% share in 2025 and is anticipated to witness strong growth momentum. Expansion is supported by increasing deployment of shared charging infrastructure and higher power requirements aligned with advanced charging standards. Enhanced transmitter designs are necessary to enable accurate power regulation, thermal management, and foreign object detection while supporting output levels exceeding 50W. Manufacturers are prioritizing high-power transmitter IC development, integrating advanced thermal protection, efficient gallium nitride components, compact multi-coil configurations, and compliance with automotive-grade AEC-Q100 certification to capture expanding infrastructure opportunities.

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The low-range 15W segment generated USD 2.2 billion in 2025. This segment maintains the largest share due to widespread demand for compact and energy-efficient ICs optimized for everyday charging needs. Devices operating within the 5-10W range emphasize slim form factors, reduced heat generation, and universal compatibility standards. Cost efficiency and battery optimization further reinforce the dominance of this power category within the mass-market consumer segment.

North America Wireless Charging IC Market held a 19.4% share in 2025. Regional growth is supported by early adoption of advanced electronic technologies and strong integration of wireless charging capabilities across connected devices. Automotive integration represents a significant growth avenue, driven by innovation in electrified mobility and in-cabin digital systems. Established regulatory frameworks and active industry collaboration contribute to structured market development. The region is characterized by ongoing technological advancements, strategic partnerships between OEMs and component suppliers, and rapid implementation of next-generation wireless charging solutions.

Key participants operating in the Global Wireless Charging IC Market include Texas Instruments Incorporated, Qualcomm Incorporated, STMicroelectronics, Infineon Technologies AG, NXP Semiconductors, Renesas Electronics Corporation, Analog Devices, MediaTek Inc., Nordic Semiconductor, Richtek Technology Corporation, Silergy Corp., Samsung, Toshiba Electronic Devices & Storage Corporation, Energous Corporation, ConvenientPower HK Limited, Kinetic Technologies, Maxic Technology Incorporated, ABLIC, Southchip Semiconductor Technology (Shanghai) Co., Ltd., Weltrend Semiconductor, Inc., LAPIS Technology Co., Ltd., BOEONE, FU DA TONG TECHNOLOGY CO., LTD., and Xiamen Newyea Science and Technology Co., Ltd.. Companies competing in the Global Wireless Charging IC Market are reinforcing their competitive standing through sustained innovation and technology differentiation. Many firms are increasing investment in research and development to design high-efficiency, compact, and thermally optimized IC architectures that align with evolving global standards. Strategic collaborations with device manufacturers and automotive OEMs are strengthening supply chain integration and long-term contracts. Businesses are also focusing on certification compliance, automotive-grade reliability, and advanced power management features to address emerging infrastructure requirements. Geographic expansion into high-growth regions, combined with portfolio diversification across transmitter and receiver solutions, supports broader market penetration.

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