

Global Consumer Electronics Wireless Charging Market Size study, by Product (Receiver IC & Modules, Transmitter IC & Modules, Transmitter Systems), by Technology (Inductive, Radio Frequency, Resonant), by Device (Laptops & Tablets, Medical Devices, Smartphones, Wearable Devices) and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/GC2A8E030A82EN.html>

Date: July 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GC2A8E030A82EN

Abstracts

The Global Consumer Electronics Wireless Charging Market was valued at USD 7.21 billion in 2023 and is projected to grow significantly with a CAGR of 18.80% during the forecast period from 2024 to 2032. Wireless charging technology facilitates the efficient transfer of power through the air using electromagnetic fields to charge various consumer electronic devices such as smartphones and wearable devices. The increasing penetration of smartphones and wearable devices globally, combined with the rising consumer shift towards electric vehicles, is driving innovations in wireless charging technology. However, the high cost of integrating wireless charging technology into devices poses a challenge for manufacturers and consumers. Additionally, the lack of standardized technologies leads to compatibility issues between devices and charging stations. Continuous advancements in wireless charging technologies, which enhance efficiency and compatibility, present significant opportunities for market expansion.

Receiver ICs and modules play a crucial role in the wireless charging market by enabling smartphones, wearables, and earbuds to receive power wirelessly from charging pads or stands. The increasing adoption of wireless charging in consumer electronics has significantly boosted the demand for these receiver components. On the other hand, transmitter ICs and modules are essential for wireless charging transmitter

systems, which are integrated into charging pads, stands, and even built-in solutions within furniture and vehicles. These transmitter systems generate an electromagnetic field to transfer power wirelessly to the receiver components in various devices. The design, user interface, and functionality of these systems are critical in shaping the consumer's charging experience.

In the medical sector, there is a growing demand for wireless charging in handheld medical devices due to the convenience of maintaining sterile conditions and reducing risks associated with connectors and cables. Wireless charging for laptops and tablets is still emerging, driven by the need for convenience and less cable clutter. Users seek seamless integration between their work and lifestyle gadgets, emphasizing the importance of longer battery life and shorter charging times.

Smartphones are the most mature segment in the wireless charging market, with consumer demand for convenience and aesthetic appeal driving growth. Wearable devices, such as smartwatches, fitness trackers, and earbuds, prioritize compact design and convenience, making wireless charging an ideal solution. This integration allows users to manage fewer cables and enjoy faster, hassle-free charging solutions.

Key regions considered in the Global Consumer Electronics Wireless Charging Market study include North America, Europe, Asia Pacific, Latin America, and the Middle East & Africa. North America is the dominating region in the Global Consumer Electronics Wireless Charging Market. This dominance is primarily attributed to the region's high adoption rate of advanced technologies and consumer electronics. North America has a well-established infrastructure that supports the rapid deployment and adoption of new technologies, including 5G networks, which enhance the efficiency and functionality of wireless charging systems. Moreover, ongoing investments in research and development by both private and public sectors, along with favorable regulatory frameworks, foster a conducive environment for the expansion of the wireless charging market in North America. On the other hand, Asia Pacific is projected to growth at a fastest rate during the forecast period 2024-2032 owing to the rapid increase in smartphone adoption and the proliferation of other consumer electronics, such as smartwatches, earbuds, and tablets, have created a substantial demand for wireless charging solutions. Countries like China, Japan, and South Korea, which are major hubs for electronics manufacturing, are leading the way in incorporating wireless charging technologies into their products.

Major market players included in this report are:

Aira, Inc.

Anker Innovations

Eggtronic Engineering S.p.A.

Electreon Wireless Ltd.

Energizer Holdings, Inc.

Energous Corp.

Fulton Innovation LLC

Guangzhou Guan Su Ge Technology Co., Ltd.

Huanyu Electronics Industrial Co., Limited

Murata Manufacturing Co., Ltd.

Ossia Inc.

Panasonic Holdings Corporation

Powermat Technologies Ltd.

PULS GmbH

Qualcomm Inc.

The detailed segments and sub-segment of the market are explained below:

By Product:

Receiver IC & Modules

Transmitter IC & Modules

Transmitter Systems

By Technology:

Inductive

Radio Frequency

Resonant

By Device:

Laptops & Tablets

Medical Devices

Smartphones

Wearable Devices

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Italy

Spain

Rest of Europe

Asia-Pacific

China

India

Japan

Australia

South Korea

Rest of Asia-Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East and Africa

Saudi Arabia

South Africa

Rest of Middle East and Africa

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with country-level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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