

Wireless Gigabit Market Report by Product (Display Devices, Network Infrastructure Devices), Technology (System on Chip (SoC), Integrated Circuit Chip (IC Chip)), End Use Industry (BFSI, Healthcare, IT and Telecom, Retail, Media and Entertainment, and Others), and Region 2024-2032

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Abstracts

The global wireless gigabit market size reached US\$ 3.1 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 11.4 Billion by 2032, exhibiting a growth rate (CAGR) of 15.02% during 2024-2032.

Wireless gigabit (WiGig) refers to an internet connection that offers a speed of 1 gigabit per second (Gbps) using millimeter wave (MMW), microwave, 4G/LTE, free-space optics (FSO) and carrier Wi-Fi technologies. It promotes faster speed for Blu-ray players, home theaters and other audiovisual equipment worldwide by operating in the frequency range of 60 GHz. It relies on beamforming technology for reducing congestion of networks and transmitting radio beams with a high-frequency bandwidth. It is widely employed in networking architecture as it provides accuracy and a high level of security while transferring the data.

Wireless Gigabit Market Trends:

The growing demand for faster data transfer in information and technology (IT) and telecom sectors represents one of the major factors driving the market. Moreover, there is a rise in the utilization of consumer electronic devices, such as HD televisions, laptops, tablets, and smartphones, which is propelling the growth of the market. In addition, the increasing trend of bring your own device (BYOD) in several companies is resulting in the development of wireless endpoints that can handle high-speed data.

This, in confluence with the escalating demand of gigabit IP data connectivity for long-term evolution (LTE) deployments, is contributing to the market growth. Apart from this, the rising adoption of small cell backhaul transmission to manage large volumes of data traffic and improve network coverage of both outdoor and indoor spaces is stimulating the market growth. Furthermore, extensive research and development (R&D) activities by key players and the growing popularity of cloud storage solutions are strengthening the growth of the market. Some of the other growth-inducing factors are rapid digitization, rising penetration of the internet and the increasing integration of wireless chipsets in electronic devices.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global wireless gigabit market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on product, technology and end use industry.

Breakup by Product:

- Display Devices
 - Smartphones
 - Laptops and Tablets
 - Others
- Network Infrastructure Devices
 - Routers and Access Points
 - Adapters
 - Backhaul Stations
 - Docking Stations

Breakup by Technology:

- System on Chip (SoC)
- Integrated Circuit Chip (IC Chip)

Breakup by End Use Industry:

- BFSI
- Healthcare
- IT and Telecom
- Retail

Media and Entertainment
Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Broadcom Inc, Cisco Systems Inc., Intel Corporation, Marvell Technology Inc., MediaTek Inc., Millitronic, NXP Semiconductors N.V., Panasonic Corporation, Peraso Technologies Inc., Qualcomm Technologies Inc., Samsung Electronics Co. Ltd. and Sivers Semiconductors AB.

Key Questions Answered in This Report

1. What was the size of the global wireless gigabit market in 2023?

2. What is the expected growth rate of the global wireless gigabit market during 2024-2032?

3. What are the key factors driving the global wireless gigabit market?

4. What has been the impact of COVID-19 on the global wireless gigabit market?

5. What is the breakup of the global wireless gigabit market based on the end-use industry?

6. What are the key regions in the global wireless gigabit market?

7. Who are the key players/companies in the global wireless gigabit market?

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