

Wireless Gigabit Market 2024-2032: Emerging Trends, Growth Opportunities, Business Strategies

The global wireless gigabit market size reached US\$ 3.1 Billion in 2023 to reach US\$ 11.4 Billion by 2032 at a CAGR of 15.02% during 2024-2032.

SHERIDAN, WYOMING, USA, June 18, 2024 /EINPresswire.com/ -- IMARC Group's report titled "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". 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.



Global Wireless Gigabit Market

For an in-depth analysis, you can refer sample copy of the report:

<https://www.imarcgroup.com/wireless-gigabit-market/requestsample>

Factors Affecting the Growth of the Wireless Gigabit Industry:

- Expansion of Smart Cities and IoT:

The expansion of smart cities and the internet of things (IoT) is a major driver for the wireless gigabit industry. Smart cities rely on high-speed, reliable wireless networks to connect various sensors, devices, and systems, enabling efficient management of urban infrastructure and services. WiGig technology, with its high data rates and low latency, is ideally suited for these

applications, facilitating real-time data communication and processing. Additionally, the proliferation of IoT devices, ranging from smart home appliances to industrial sensors, demands robust wireless solutions to ensure seamless connectivity and data exchange. The integration of WiGig into IoT ecosystems enhances device performance and user experience, fostering further growth in the wireless gigabit industry.

- Increasing Demand for High-Speed Internet:

The escalating demand for high-speed internet is another critical factor propelling the wireless gigabit industry. In an era where digital connectivity is paramount, consumers and businesses alike require faster and more reliable internet connections to support a multitude of applications. Additionally, the rise in bandwidth-intensive activities, including online gaming, video conferencing, and streaming services, necessitates robust wireless solutions capable of delivering gigabit speeds. WiGig technology, with its ability to provide multi-gigabit data rates, addresses this need effectively, offering superior performance compared to traditional Wi-Fi standards. This increasing demand is further amplified by the growing number of connected devices in households and workplaces, driving the adoption of WiGig-enabled products and services.

- Technological Advancements:

Technological advancements are significantly driving the growth of the wireless gigabit industry. The development of new WiGig (Wireless Gigabit) standards, such as the IEEE 802.11ad and 802.11ay, has enhanced data transmission speeds, reduced latency and increasing bandwidth. These advancements facilitate seamless communication and data transfer, supporting applications that require high data rates, such as augmented reality (AR), virtual reality (VR), and 4K video streaming. Moreover, the integration of WiGig technology into a variety of devices, including smartphones, laptops, and networking equipment, has broadened its adoption across both consumer and enterprise sectors. As technology continues to evolve, the industry is witnessing further innovations, such as improved beamforming techniques and energy efficiency, which will bolster the adoption of wireless gigabit solutions.

Leading Companies Operating in the Global Wireless Gigabit Industry:

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.
Sivers Semiconductors AB.

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Wireless Gigabit Market Report Segmentation:

By Product:

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

Based on the product, the market has been classified into display devices (smartphones, laptops and tablets, and others), and network infrastructure devices (routers and access points, adapters, backhaul stations, and docking stations)

By Technology:

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

On the basis of the technology, the market has been segmented into system on chip (SoC) and integrated circuit chip (IC chip).

By End Use Industry:

BFSI
Healthcare
IT and Telecom
Retail
Media and Entertainment
Others

IT and telecom represent the largest segment as these industries require high-speed, low-latency

wireless connectivity to support data-intensive applications and services.

Regional Insights:

North America (U.S. Canada)

Europe (Germany, United Kingdom, France, Italy, Spain, Russia, and Others)

Asia Pacific (China, India, Japan, South Korea, Indonesia, Australia, and Others)

Latin America (Brazil, Mexico)

Middle East Africa

North America's dominance in the wireless gigabit market is attributed to its advanced technological infrastructure, high adoption rate of new technologies, and significant investment in wireless communication solutions.

Global Wireless Gigabit Market Trends:

The global wireless gigabit market is witnessing substantial growth driven by several key trends. The increasing adoption of WiGig technology in consumer electronics, such as smartphones, laptops, and smart home devices, is a notable trend, enhancing connectivity and data transfer rates. Additionally, the proliferation of high-definition multimedia content and the growing demand for AR and VR applications has escalated the need for faster wireless solutions.

The rapid expansion of smart city projects and IoT ecosystems is also contributing to market growth, as WiGig provides the necessary speed and reliability for these advanced applications. Furthermore, ongoing advancements in WiGig standards and the integration of this technology into networking equipment are poised to further boost market expansion.

Note: If you need specific information that is not currently within the scope of the report, we will provide it to you as a part of the customization.

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