



Exhibiting 28.7% CAGR | WiGig Market Size Reach USD 278.1 Million by 2032 Globally

WILMINGTON, DE, UNITED STATES, October 8, 2025 /EINPresswire.com/ -- Allied Market Research published a report, titled, "Exhibiting 28.7% CAGR | [WiGig Market Size](#) Reach USD 278.1 Million by 2032 Globally". The report offers a detailed analysis of changing market trends, top segments, key investment pockets, value chains, regional landscapes, and competitive scenarios.

The global generated \$22.83 million in 2022 and is estimated to reach \$278.11 million by 2032, exhibiting a CAGR of 28.7% from 2023 to 2032.

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The focal point of the wireless gigabit market is the dynamic data transmission environment of the digital age, where wireless and high-speed connectivity are essential. This market includes a wide range of goods and services intended to make it easier for terabytes of data to be exchanged without being limited by physical connections. Fundamentally, the growing demand for effective and quick data transfer across a range of businesses and consumer segments is driving the wireless gigabit market.

This covers, among other things, mobile hotspots, routers, and wireless data plans for mobile devices. These let users send and receive large amounts of data without being connected to conventional networks. The emergence of 4G and 5G technologies, which allow for faster and more dependable wireless data transfer, has characterized the telecom industry. Wireless providers are essential since they provide a range of data plans that are suited to different consumer and business requirements. The market expands into the Internet of Things (IoT), where a vast amount of data is exchanged wirelessly among devices, hence increasing the demand for gigabit-level data capacities.

Leading Players in WiGig Market

Intel Corporation
Advanced Micro Devices, Inc.
Broadcom
Qualcomm Technologies, Inc.
Panasonic Corporation
Samsung

NEC Corporation
Nvidia Corporation
Mediatek Inc.
NXP Semiconductors

The report analyzes these key players in the global WiGig market. These players have adopted various strategies such as expansion, new product launches, partnerships, and others to increase their market penetration and strengthen their position in the industry. The report is helpful in determining the business performance, operating segments, developments, and product portfolios of every market player.

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By region, North America garnered the highest share in 2022, holding nearly two-fifth of the global WiGig market revenue in 2022, and is projected to retain its dominance by 2032, owing to the growing need for applications requiring extremely low latency and real-time data processing is crucial for sectors such as autonomous vehicles, smart cities, and augmented reality (AR)/virtual reality (VR) aiding the growth of the WiGig market. Asia-Pacific would also portray the fastest CAGR of 48.0% during the forecast period, owing to the growing use of 5G technology as well as the rapid growth of IoT devices and applications which is expected to fuel the market growth in Asia-Pacific.

By product, the display devices segment held the major share in 2022, garnering nearly two-third of the global WiGig market revenue, owing to advancement and widespread use of these technologies are fueled by the need for convenient and seamless communication between devices and display screens propels the market growth significantly. The network infrastructure segment would also showcase the fastest CAGR of 30.5% during the forecast period, owing to improve to provide quicker speeds, reduced latency, and increased dependability.

By type, the 802.11ad segment accounted for nearly three-fourth of the global WiGig market share in 2022, and is projected to retain its dominance by 2032, as it provides a dependable option for gigabit wireless connectivity, allowing real-time streaming and interactivity in VR and AR applications, due to its high data transfer rates and low latency propels the market growth significantly. The 802.11ay segment would also display the fastest CAGR of 32.0% throughout the forecast period, owing to need massive file uploads, high-quality video streaming, and low-latency gaming due to its high data transfer speeds and low latency.

By technology, the integrated circuit chips (IC) segment accounted for nearly half of the global WiGig market share in 2022, and is projected to retain its dominance by 2032, owing to several gadgets, including laptops, tablets, smartphones, Internet of Things devices, and networking equipment use wireless gigabit SoCs propels the market growth significantly. The system-on-chips (SoC) segment would also display the fastest CAGR of 30.5% throughout the forecast

period, owing to facilitating data-intensive applications like online gaming, high-definition video streaming, and cloud-based services.

By end user, the networking segment accounted for nearly three-fifth of the global WiGig market share in 2022, and is projected to retain its dominance by 2032, owing to growing proliferation of smart devices and the growing need for high-speed wireless connectivity propels the market growth significantly. The consumer electronics segment would also display the fastest CAGR of 31.6% throughout the forecast period, owing to offers opportunities for 5G network integration owing to its fast, short-range wireless communication. This combination facilitates cutting-edge applications such as virtual reality (VR), augmented reality (AR), and connected cars. It allows local data offloading and improves network bandwidth.

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Recent Collaboration in the WiGig Market

On June 2021, Samsung Electronics company demonstrated the 6G Terahertz (THz) wireless communication prototype in collaboration with the University of California, Santa Barbara (UCSB). Santa Barbara (UCSB) introduced the potential impact that THz could have on next-generation 6G technology, demonstrating an end-to-end 140GHz wireless link using a fully digital beamforming solution.

On November 2021, MediaTek collaborated with AMD to co-engineer industry leading Wi-Fi® solutions, starting with the AMD RZ600 Series Wi-Fi 6E modules containing MediaTek's new Filogic 330P chipset. The Filogic 330P chipset will power next-generation AMD Ryzen-series laptop and desktop PCs in 2022 and beyond, delivering fast Wi-Fi speeds with low latency and less interference from other signals.

On May 2021, AMD collaborated with Qualcomm Technologies, Inc., a subsidiary of Qualcomm to optimize the Qualcomm® FastConnect™ connectivity system for AMD Ryzen™ processor-based computing platforms, starting with AMD Ryzen™ PRO 6000 Series processors and the Qualcomm® FastConnect™ 6900 system. With the FastConnect 6900, the latest AMD Ryzen processor-powered business laptops feature Wi-Fi® 6 and 6E connectivity, including advanced wireless capabilities enabled with Windows 11.

Recent Product Launch in the WiGig Market

On June 2021, MediaTek launched Dimensity 5G Open Resource Architecture that provides brands with more flexibility to customize key 5G mobile device features to address different market segments. The open resource architecture gives smartphone brands closer-to-metal access to customize features for cameras, displays, graphics, artificial intelligence (AI) processing units (APUs), sensors and connectivity sub-systems within the Dimensity 1200 chipset.

On June 2023, Broadcom Inc. launched availability of its second generation of wireless connectivity chipset solutions for the Wi-Fi 7 ecosystem, spanning Wi-Fi routers, residential gateways, enterprise access points, and client devices. The new chips build on the ecosystem of products with Broadcom's first-generation Wi-Fi 7 chips while delivering additional functionality to a wider market.

On June 2022, Intel launched a raft of new 'Wi-Fi 6/6E (Gig+)' products & features including 'Double Connect' technology. Also CES 2022 Intel announced a raft of new 12th Gen Intel® Core™ mobile processors (for notebooks) this time with Wi-Fi 6/6E capabilities integrated. Thanks for reading this article you can also get individual chapter-wise sections or region-wise report versions like North America Europe or Asia.

If you have any special requirements, please let us know and we will offer you the report as per your requirements.

Lastly this report provides market intelligence most comprehensively. The report structure has been kept such that it offers maximum business value. It provides critical insights into the market dynamics and will enable strategic decision-making for the existing market players as well as those willing to enter the market.

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Pawan Kumar, the CEO of Allied Market Research, is leading the organization toward providing high-quality data and insights. We are in professional corporate relations with various companies. This helps us dig out market data that helps us generate accurate research data tables and confirm utmost accuracy in our market forecasting. Every data company in the domain is concerned. Our secondary data procurement methodology includes deep presented in the reports published by us is extracted through primary interviews with top officials from leading online and offline research and discussion with knowledgeable professionals and

analysts in the industry.

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