

# Global Wi-Fi Module Market Set For 13.2% Growth, Reaching \$103.91 Billion By 2028

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Widefield Imaging Systems Global Market Report  
2024 - Market Size, Trends, And Global Forecast 2024-2033

As the digital transformation era remains in full swing, the necessity for network performance optimization and enhanced network security has become more apparent. This trend has led to a surge in the global Wi-Fi module market size, which is expected to grow from \$55.90 billion in

2023 to \$63.23 billion in 2024, marking a compound annual growth rate CAGR of 13.1%. This historical period growth was driven largely by the demand for improved network performance, heightened regulatory requirements for data protection and network security, expansion in public Wi-Fi deployment, and increased digital transformation efforts.

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The widefield imaging systems market size is expected to see rapid growth in the next few years. It will grow to \$1.47 billion in 2028 at a compound annual growth rate (CAGR) of 12.1%”

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How is the Market Projected to Grow?

[The Wi-Fi module market size is expected to see rapid growth](#) in the next few years, reaching an impressive value of \$103.91 billion in 2028 at a CAGR of 13.2%. This forecast

period growth is primarily attributed to an increased demand for high-speed internet, growing number of connected devices, the proliferation of Internet of Things IoT devices, increasing adoption of cloud-based services, and heightened mobile payment adoption. The market will be characterized by major advancements in Wi-Fi technology, integration with smart building systems, rollout of 5G technology and its integration, demonstration of sustainable technology solutions, and integration of AI and machine learning.

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### What's Driving the Market's Growth Forward?

The increasing use of IoT devices is forecasted to propel future growth of the Wi-Fi module market. IoT devices, which are interconnected gadgets that communicate and exchange data through the internet, have seen rising adoption due to advancements in technology, increased connectivity and bandwidth, declining costs of sensors and hardware, and the growing need for automation and data-driven decision-making. These IoT devices rely heavily on efficient and reliable Wi-Fi modules to ensure consistent network connectivity and effective data exchange. For instance, Ericsson, a Sweden-based telecommunications company, reported that total IoT connections reached 15.7 billion connections in 2023, and this figure is expected to rise by 16% to 38.8 billion connections by 2029.

Access the full report here: <https://www.thebusinessresearchcompany.com/report/widefield-imaging-systems-global-market-report>

### Who Are the Key Players in the Market?

The Wi-Fi module market is run by an array of major companies including Verizon Communications Inc., Intel Corporation, Vodafone Group Plc, Cisco Systems Inc., Broadcom Inc., Fujitsu Limited, Hewlett Packard Enterprise Development LP, Bharti Airtel Limited, Infineon Technologies AG, Murata Manufacturing Co. Ltd., NXP Semiconductors N.V., Rogers Communications Inc., Arista Networks Inc., Tata Communications Limited, NMB Technologies Corporation, U-Blox Holding AG, Ruckus Wireless Inc., Espressif Systems Co. Ltd., Rolling Wireless SARL, LM Technologies Ltd., LG Networks Inc., and DayStar Electric Technology Inc.

### What Are Some Emerging Trends in the Market?

Looking forward, players in the Wi-Fi module market are focusing on developing advanced products like third-generation technology or wi-fi 6 or 802.11ax. This emerging technology aims to improve performance, efficiency, and capacity over previous generations. For example, in January 2024, China-based Quectel Wireless Solutions introduced its new Wi-Fi 7 modules, the FGE576Q and FGE573Q, resulting in a significant upgrade in wireless connectivity for IoT and mobile devices.

### How is the Wi-Fi Module Market Segmented?

[The Wi-Fi module market can be segmented based on various factors:](#)

1 By Type: Universal Wi-Fi Module, Router Scheme Wi-Fi Module, Embedded Wi-Fi Module

2 By Application: Smart Appliances, Handheld Mobile Devices, Medical And Industrial Testing Instruments, Smart Grid, Router

3 By End Users: Residential Users, Commercial Users, Industrial Users

What are the Regional Insights?

North America emerged as the largest region in the Wi-Fi module market in 2023. The report further provides coverage for regions including Asia-Pacific, Western Europe, Eastern Europe, South America, and the Middle East and Africa.

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Americas +1 3156230293

Asia +44 2071930708

Europe +44 2071930708

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Oliver Guirdham

The Business Research Company

+44 20 7193 0708

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