

Dual Band Wi-Fi Chipset Market Size, Share, and Outlook, 2025 Report- By Type (802.11ay, 802.11ax, 802.11ac Wave 2, Others), By Application (Smartphones, Tablet, PCs, Access Point Equipment, Connected Home Devices, Others), 2018-2032

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Abstracts

Dual Band Wi-Fi Chipset Market Outlook

The Dual Band Wi-Fi Chipset Market size is expected to register a growth rate of 4.7% during the forecast period from \$8.89 Billion in 2025 to \$12.3 Billion in 2032. The Dual Band Wi-Fi Chipset market is a thriving business that is poised to keep growing and presents potential growth opportunities for companies across the industry value chain.

The comprehensive market research report presents 12-year historic and forecast data on Dual Band Wi-Fi Chipset segments across 22 countries from 2021 to 2032. Key segments in the report include By Type (802.11ay, 802.11ax, 802.11ac Wave 2, Others), By Application (Smartphones, Tablet, PCs, Access Point Equipment, Connected Home Devices, Others). Over 70 tables and charts showcase findings from our latest survey report on Dual Band Wi-Fi Chipset markets.

Dual Band Wi-Fi Chipset Market Insights, 2025

The dual-band Wi-Fi chipset market is experiencing strong demand as consumers and enterprises seek faster, more reliable wireless connectivity. Companies such as Broadcom, Qualcomm, and MediaTek are developing next-generation Wi-Fi 6 and Wi-Fi 6E chipsets that operate across both 2.4 GHz and 5 GHz bands to optimize speed and reduce network congestion. The growth of smart homes, IoT devices, and remote work has accelerated the need for high-performance Wi-Fi solutions with improved range and

lower latency. Dual-band Wi-Fi chipsets are also playing a crucial role in enterprise networks, enabling seamless connectivity for cloud applications and video conferencing. As Wi-Fi 7 development progresses, future chipsets are expected to deliver even higher data rates and improved spectrum efficiency.

Five Trends that will define global Dual Band Wi-Fi Chipset market in 2025 and Beyond

A closer look at the multi-million market for Dual Band Wi-Fi Chipset identifies rapidly shifting consumer preferences across categories. By focusing on growth and resilience, leading Dual Band Wi-Fi Chipset companies are prioritizing their investments across categories, markets, and geographies. The report analyses the most important market trends shaping the new landscape to support better decisions for the long and short-term future. The impact of tariffs by the US administration also significantly impact the profitability of Dual Band Wi-Fi Chipset vendors.

What are the biggest opportunities for growth in the Dual Band Wi-Fi Chipset industry?

The Dual Band Wi-Fi Chipset sector demonstrated remarkable resilience over the past year across developed and developing economies. Further, the market presents significant opportunities to leverage the existing momentum towards actions by 2032. On the other hand, recent macroeconomic developments including rising inflation and supply chain disruptions are putting pressure on companies. The chapter assists users to identify growth avenues and address business challenges to make informed commercial decisions with unique insights, data forecasts, and in-depth market analyses.

Dual Band Wi-Fi Chipset Market Segment Insights

The Dual Band Wi-Fi Chipset industry presents strong offers across categories. The analytical report offers forecasts of Dual Band Wi-Fi Chipset industry performance across segments and countries. Key segments in the industry include%li%By Type (802.11ay, 802.11ax, 802.11ac Wave 2, Others), By Application (Smartphones, Tablet, PCs, Access Point Equipment, Connected Home Devices, Others). The largest types, applications, and sales channels, fastest growing segments, and the key factors driving each of the categories are included in the report.

Forecasts of each segment across five regions are provided from 2021 through 2032 for Asia Pacific, North America, Europe, South America, Middle East, and African regions. In addition, Dual Band Wi-Fi Chipset market size outlook is provided for 22 countries

across these regions.

Market Value Chain

The chapter identifies potential companies and their operations across the global Dual Band Wi-Fi Chipset industry ecosystem. It assists decision-makers in evaluating global Dual Band Wi-Fi Chipset market fundamentals, market dynamics, and disruptive trends across the value chain segments.

Scenario Analysis and Forecasts

Strategic decision-making in the Dual Band Wi-Fi Chipset industry is multi-faceted with the increased need for planning across scenarios. The report provides forecasts across three case scenarios%li%low growth, reference case, and high growth cases.

Asia Pacific Dual Band Wi-Fi Chipset Market Analysis%li%A Promising Growth Arena for Business Expansion

As companies increasingly expand across promising Asia Pacific markets with over 4.5 billion population, the medium-to-long-term future remains robust. The presence of the fastest-growing economies such as China, India, Thailand, Indonesia, and Vietnam coupled with strengthening middle-class populations and rising disposable incomes drive the market. In particular, China and India are witnessing rapid shifts in consumer purchasing behavior. China is recovering steadily with optimistic forecasts for 2025. Further, Japanese and South Korean markets remain stable with most companies focusing on new product launches and diversification of sales channels.

The State of Europe Dual Band Wi-Fi Chipset Industry 2025%li%Focus on Accelerating Competitiveness

As companies opt for an integrated agenda for competitiveness, the year 2025 presents optimistic scenarios for companies across the ecosystem. With signs of economic recovery across markets, companies are increasing their investments. Europe is one of the largest markets for Dual Band Wi-Fi Chipset with demand from both Western Europe and Eastern European regions increasing over the medium to long-term future. Increasing omnichannel shopping amidst robust consumer demand for value purchases shapes the market outlook. The report analyses the key Dual Band Wi-Fi Chipset market drivers and opportunities across Germany, France, the United Kingdom, Spain, Italy, Russia, and other Europe.

The US Dual Band Wi-Fi Chipset market Insights%li%Vendors are exploring new opportunities within the US Dual Band Wi-Fi Chipset industry.

Easing inflation coupled with strengthening consumer sentiment is encouraging aggressive actions from the US Dual Band Wi-Fi Chipset companies. Market players consistently focusing on innovation and pursuing new ways to create value are set to excel in 2025. In addition, the Canadian and Mexican markets offer lucrative growth pockets for manufacturers and vendors. Focus on private-brand offerings and promotions, diversified sales channels, expansion into niche segments, adoption of advanced technologies, and sustainability are widely observed across the North American Dual Band Wi-Fi Chipset market.

Latin American Dual Band Wi-Fi Chipset market outlook rebounds in line with economic growth.

Underlying demand remains higher among urban consumers with an optimistic economic outlook across Brazil, Argentina, Chile, and other South and Central American countries. Increased consumer spending has been reported in Q1 -2025 and the prospects remain strong for rest of 2025. Aggressive ecosystem moves to create new sources of income are widely observed across markets in the region. Marketing activities focused on customer insights, operations, and support functions are quickly gaining business growth in the region.

Middle East and Africa Dual Band Wi-Fi Chipset Markets%li%New Opportunities for Companies Harnessing Diversity

Rapid growth in burgeoning urban locations coupled with a young and fast-growing population base is attracting new investments in the Middle East and African Dual Band Wi-Fi Chipset markets. Designing expansion and marketing strategies to cater to the local consumer base supports the market prospects. In addition to Nigeria, Algeria, South Africa, and other markets, steady growth markets in Ethiopia, Rwanda, Ghana, Tanzania, the Democratic Republic of Congo, and others present significant prospects for companies. On the other hand, Middle Eastern Dual Band Wi-Fi Chipset markets including the UAE, Saudi Arabia, Qatar, and Oman continue to offer lucrative pockets of growth.

Competitive Landscape%li%How Dual Band Wi-Fi Chipset companies outcompete in 2025?

The ability to respond quickly to evolving consumer preferences and adapt businesses to niche consumer segments remains a key growth factor. The report identifies the leading companies in the industry and provides their revenue for 2024. The market shares of each company are also included in the report. Further, business profiles, SWOT analysis, and financial analysis of each company are provided in detail. Key companies analyzed in the report include Cypress Semiconductor Corp, Intel Corp, Marvell Technology Group Ltd, MediaTek Inc, Peraso Technologies Inc, Qualcomm Technologies Inc, Quantenna Communications Inc, Samsung Electronics Co. Ltd, STMicroelectronics N.V., Texas Instruments Inc.

Dual Band Wi-Fi Chipset Market Segmentation

By Type

802.11ay

802.11ax

802.11ac Wave 2

Others

By Application

Smartphones

Tablet

PCs

Access Point Equipment

Connected Home Devices

Others

Leading Companies

Cypress Semiconductor Corp

Intel Corp

Marvell Technology Group Ltd

MediaTek Inc

Peraso Technologies Inc

Qualcomm Technologies Inc

Quantenna Communications Inc

Samsung Electronics Co. Ltd

STMicroelectronics N.V.

Texas Instruments Inc

Reasons to Buy the report

Make informed decisions through long and short-term forecasts across 22 countries and segments.

Evaluate market fundamentals, dynamics, and disrupting trends set to shape 2025 and beyond.

Gain a clear understanding of the competitive landscape, with product portfolio and growth strategies.

Get an integrated understanding of the entire market ecosystem and companies.

Stay ahead of the competition through plans for growth in a changing environment for your geographic expansion.

Assess the impact of advanced technologies and identify growth opportunities based on actionable data and insights.

Get free Excel spreadsheet and PPT versions along with the report PDF.

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By Type

802.11ay

802.11ax

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Others

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Smartphones

Tablet

PCs

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Intel Corp

Marvell Technology Group Ltd

MediaTek Inc

Peraso Technologies Inc

Qualcomm Technologies Inc

Quantenna Communications Inc

Samsung Electronics Co. Ltd

STMicroelectronics N.V.

Texas Instruments Inc

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