

Voice over WiFi Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Technology (CSFB, VoLGA, VoIMS), By Voice Client (Integrated VoWiFi, Separate VoWiFi, Browser VoWiFi), By Device Type (Smartphone, Router, Wireless Modem, Others), By End User (Residential, Commercial), By Region & Competition, 2021-2031F

<https://marketpublishers.com/r/V82F2488EEDEEN.html>

Date: January 2026

Pages: 185

Price: US\$ 4,500.00 (Single User License)

ID: V82F2488EEDEEN

Abstracts

The Global Voice over WiFi Market is projected to expand from USD 7.86 Billion in 2025 to USD 35.04 Billion by 2031, achieving a Compound Annual Growth Rate (CAGR) of 28.29%. This telecommunications technology allows for the transmission of voice calls via Wireless Fidelity networks instead of traditional cellular infrastructure. The market's growth is primarily fueled by the urgent need to improve indoor network coverage in areas where cellular signals weaken, as well as the operational necessity for mobile operators to shift traffic from overburdened cellular spectrums to unlicensed Wi-Fi bands.

However, the difficulty in sustaining Quality of Service (QoS) presents a significant obstacle to market growth, as latency and packet loss on crowded public networks can drastically reduce call clarity. According to the Wireless Broadband Alliance, in 2024, 70% of surveyed industry stakeholders highlighted Wi-Fi calling as a pivotal area for monetizing Wi-Fi services and delivering business value, underscoring the high stakes involved in resolving these performance challenges.

Market Driver

The widespread availability of VoWiFi-ready smartphones and smart devices acts as a

major catalyst for the Global Voice over WiFi Market. Modern handsets increasingly feature native support for Wi-Fi calling, enabling seamless transitions between cellular and wireless networks without the need for third-party apps, particularly in 5G-enabled devices that utilize IP Multimedia Subsystem (IMS) cores. According to Ericsson's 'Mobility Report June 2024', global 5G subscriptions surged by 160 million in the first quarter of 2024 to surpass 1.7 billion, creating a vast installed base of hardware capable of high-definition voice offloading that compels operators to activate these services to reduce churn.

Simultaneously, the development of robust public and private Wi-Fi infrastructure is essential to support this ecosystem and ensure carrier-grade call quality. The rollout of advanced standards like Wi-Fi 6E and Wi-Fi 7 provides the necessary bandwidth and low latency to address historical Quality of Service (QoS) issues; the Wireless Broadband Alliance's 'Annual Industry Report 2024' from January 2024 noted that over 41% of stakeholders planned to deploy Wi-Fi 7 by the end of the year. This infrastructure expansion is vital given that the total number of unique mobile subscribers reached 5.6 billion by the end of 2023, according to GSMA's 'The Mobile Economy 2024', necessitating effective Wi-Fi offloading strategies.

Market Challenge

A major restraint on the Global Voice over WiFi Market is the challenge of maintaining consistent Quality of Service, as voice communication relies on real-time data transmission and is highly susceptible to latency, jitter, and packet loss. When users utilize congested public or residential Wi-Fi networks, shared bandwidth among high-demand applications frequently leads to data delays, causing dropped calls, voice distortion, or unsynchronized audio. These performance issues significantly undermine user confidence in the reliability of Wi-Fi calling when compared to standard cellular voice services.

This inability to guarantee a carrier-grade experience over unlicensed spectrums hampers market growth, as operators struggle to ensure the quality necessary for effective traffic offloading. If subscribers encounter poor call quality, they are less likely to use the service, thereby negating the benefits of offloading strategies. Highlighting the severity of these congestion issues, the Wireless Broadband Alliance reported in 2024 that two-thirds of surveyed industry stakeholders viewed the availability of 6GHz spectrum as critical for addressing the interference and capacity constraints that currently degrade network performance.

Market Trends

The integration of Unified Communications as a Service (UCaaS) platforms is transforming the market as enterprises increasingly adopt hybrid work models. This shift is driven by the corporate sector's requirement for seamless voice connectivity for remote employees, necessitating robust VoWiFi solutions that bypass cellular dead zones to ensure business continuity and professional call clarity. According to Damovo's 'The Market Speaks ? 5 trends driving the shift to Hybrid UC' article from November 2024, 40% of business decision-makers surveyed reported rushing to implement new communication tools to adapt to remote working, highlighting the urgent demand for reliable non-cellular voice infrastructure.

Concurrently, the integration of Artificial Intelligence to enhance voice quality is emerging as a key trend to address packet loss on unlicensed spectrums. Operators are implementing machine learning algorithms at the network edge to predict congestion and dynamically adjust codec parameters, thereby delivering a carrier-grade audio experience. This move from basic connectivity to active quality assurance is critical for subscriber retention; according to NVIDIA's 'State of AI in Telecommunications: 2024 Trends' report from February 2024, 48% of telecom professionals identified network operations and management as a primary area for AI investment to optimize service reliability.

Key Market Players

Cisco Systems Inc.

AT&T Inc.

Ericsson AB

Nokia Corporation

Huawei Technologies Co., Ltd.

Orange S.A.

T-Mobile US, Inc.

Verizon Communications Inc.

Broadcom Inc.

TELUS Corporation

Report Scope

In this report, the Global Voice over WiFi Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Voice over WiFi Market, By Technology

CSFB

VoLGA

VoIMS

Voice over WiFi Market, By Voice Client

Integrated VoWiFi

Separate VoWiFi

Browser VoWiFi

Voice over WiFi Market, By Device Type

Smartphone

Router

Wireless Modem

Others

Voice over WiFi Market, By End User

Residential

Commercial

Voice over WiFi Market, By Region

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Voice over WiFi Market.

Available Customizations:

Global Voice over WiFi Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

4. VOICE OF CUSTOMER

5. GLOBAL VOICE OVER WIFI MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Technology (CSFB, VoLGA, VoIMS)
 - 5.2.2. By Voice Client (Integrated VoWiFi, Separate VoWiFi, Browser VoWiFi)
 - 5.2.3. By Device Type (Smartphone, Router, Wireless Modem, Others)
 - 5.2.4. By End User (Residential, Commercial)

- 5.2.5. By Region
- 5.2.6. By Company (2025)
- 5.3. Market Map

6. NORTH AMERICA VOICE OVER WIFI MARKET OUTLOOK

- 6.1. Market Size & Forecast
 - 6.1.1. By Value
- 6.2. Market Share & Forecast
 - 6.2.1. By Technology
 - 6.2.2. By Voice Client
 - 6.2.3. By Device Type
 - 6.2.4. By End User
 - 6.2.5. By Country
- 6.3. North America: Country Analysis
 - 6.3.1. United States Voice over WiFi Market Outlook
 - 6.3.1.1. Market Size & Forecast
 - 6.3.1.1.1. By Value
 - 6.3.1.2. Market Share & Forecast
 - 6.3.1.2.1. By Technology
 - 6.3.1.2.2. By Voice Client
 - 6.3.1.2.3. By Device Type
 - 6.3.1.2.4. By End User
 - 6.3.2. Canada Voice over WiFi Market Outlook
 - 6.3.2.1. Market Size & Forecast
 - 6.3.2.1.1. By Value
 - 6.3.2.2. Market Share & Forecast
 - 6.3.2.2.1. By Technology
 - 6.3.2.2.2. By Voice Client
 - 6.3.2.2.3. By Device Type
 - 6.3.2.2.4. By End User
 - 6.3.3. Mexico Voice over WiFi Market Outlook
 - 6.3.3.1. Market Size & Forecast
 - 6.3.3.1.1. By Value
 - 6.3.3.2. Market Share & Forecast
 - 6.3.3.2.1. By Technology
 - 6.3.3.2.2. By Voice Client
 - 6.3.3.2.3. By Device Type
 - 6.3.3.2.4. By End User

7. EUROPE VOICE OVER WIFI MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Technology

7.2.2. By Voice Client

7.2.3. By Device Type

7.2.4. By End User

7.2.5. By Country

7.3. Europe: Country Analysis

7.3.1. Germany Voice over WiFi Market Outlook

7.3.1.1. Market Size & Forecast

7.3.1.1.1. By Value

7.3.1.2. Market Share & Forecast

7.3.1.2.1. By Technology

7.3.1.2.2. By Voice Client

7.3.1.2.3. By Device Type

7.3.1.2.4. By End User

7.3.2. France Voice over WiFi Market Outlook

7.3.2.1. Market Size & Forecast

7.3.2.1.1. By Value

7.3.2.2. Market Share & Forecast

7.3.2.2.1. By Technology

7.3.2.2.2. By Voice Client

7.3.2.2.3. By Device Type

7.3.2.2.4. By End User

7.3.3. United Kingdom Voice over WiFi Market Outlook

7.3.3.1. Market Size & Forecast

7.3.3.1.1. By Value

7.3.3.2. Market Share & Forecast

7.3.3.2.1. By Technology

7.3.3.2.2. By Voice Client

7.3.3.2.3. By Device Type

7.3.3.2.4. By End User

7.3.4. Italy Voice over WiFi Market Outlook

7.3.4.1. Market Size & Forecast

7.3.4.1.1. By Value

- 7.3.4.2. Market Share & Forecast
 - 7.3.4.2.1. By Technology
 - 7.3.4.2.2. By Voice Client
 - 7.3.4.2.3. By Device Type
 - 7.3.4.2.4. By End User
- 7.3.5. Spain Voice over WiFi Market Outlook
 - 7.3.5.1. Market Size & Forecast
 - 7.3.5.1.1. By Value
 - 7.3.5.2. Market Share & Forecast
 - 7.3.5.2.1. By Technology
 - 7.3.5.2.2. By Voice Client
 - 7.3.5.2.3. By Device Type
 - 7.3.5.2.4. By End User

8. ASIA PACIFIC VOICE OVER WIFI MARKET OUTLOOK

- 8.1. Market Size & Forecast
 - 8.1.1. By Value
- 8.2. Market Share & Forecast
 - 8.2.1. By Technology
 - 8.2.2. By Voice Client
 - 8.2.3. By Device Type
 - 8.2.4. By End User
 - 8.2.5. By Country
- 8.3. Asia Pacific: Country Analysis
 - 8.3.1. China Voice over WiFi Market Outlook
 - 8.3.1.1. Market Size & Forecast
 - 8.3.1.1.1. By Value
 - 8.3.1.2. Market Share & Forecast
 - 8.3.1.2.1. By Technology
 - 8.3.1.2.2. By Voice Client
 - 8.3.1.2.3. By Device Type
 - 8.3.1.2.4. By End User
 - 8.3.2. India Voice over WiFi Market Outlook
 - 8.3.2.1. Market Size & Forecast
 - 8.3.2.1.1. By Value
 - 8.3.2.2. Market Share & Forecast
 - 8.3.2.2.1. By Technology
 - 8.3.2.2.2. By Voice Client

- 8.3.2.2.3. By Device Type
- 8.3.2.2.4. By End User
- 8.3.3. Japan Voice over WiFi Market Outlook
 - 8.3.3.1. Market Size & Forecast
 - 8.3.3.1.1. By Value
 - 8.3.3.2. Market Share & Forecast
 - 8.3.3.2.1. By Technology
 - 8.3.3.2.2. By Voice Client
 - 8.3.3.2.3. By Device Type
 - 8.3.3.2.4. By End User
- 8.3.4. South Korea Voice over WiFi Market Outlook
 - 8.3.4.1. Market Size & Forecast
 - 8.3.4.1.1. By Value
 - 8.3.4.2. Market Share & Forecast
 - 8.3.4.2.1. By Technology
 - 8.3.4.2.2. By Voice Client
 - 8.3.4.2.3. By Device Type
 - 8.3.4.2.4. By End User
- 8.3.5. Australia Voice over WiFi Market Outlook
 - 8.3.5.1. Market Size & Forecast
 - 8.3.5.1.1. By Value
 - 8.3.5.2. Market Share & Forecast
 - 8.3.5.2.1. By Technology
 - 8.3.5.2.2. By Voice Client
 - 8.3.5.2.3. By Device Type
 - 8.3.5.2.4. By End User

9. MIDDLE EAST & AFRICA VOICE OVER WIFI MARKET OUTLOOK

- 9.1. Market Size & Forecast
 - 9.1.1. By Value
- 9.2. Market Share & Forecast
 - 9.2.1. By Technology
 - 9.2.2. By Voice Client
 - 9.2.3. By Device Type
 - 9.2.4. By End User
 - 9.2.5. By Country
- 9.3. Middle East & Africa: Country Analysis
 - 9.3.1. Saudi Arabia Voice over WiFi Market Outlook

- 9.3.1.1. Market Size & Forecast
 - 9.3.1.1.1. By Value
- 9.3.1.2. Market Share & Forecast
 - 9.3.1.2.1. By Technology
 - 9.3.1.2.2. By Voice Client
 - 9.3.1.2.3. By Device Type
 - 9.3.1.2.4. By End User
- 9.3.2. UAE Voice over WiFi Market Outlook
 - 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Value
 - 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Technology
 - 9.3.2.2.2. By Voice Client
 - 9.3.2.2.3. By Device Type
 - 9.3.2.2.4. By End User
- 9.3.3. South Africa Voice over WiFi Market Outlook
 - 9.3.3.1. Market Size & Forecast
 - 9.3.3.1.1. By Value
 - 9.3.3.2. Market Share & Forecast
 - 9.3.3.2.1. By Technology
 - 9.3.3.2.2. By Voice Client
 - 9.3.3.2.3. By Device Type
 - 9.3.3.2.4. By End User

10. SOUTH AMERICA VOICE OVER WIFI MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Technology
 - 10.2.2. By Voice Client
 - 10.2.3. By Device Type
 - 10.2.4. By End User
 - 10.2.5. By Country
- 10.3. South America: Country Analysis
 - 10.3.1. Brazil Voice over WiFi Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Value
 - 10.3.1.2. Market Share & Forecast

- 10.3.1.2.1. By Technology
- 10.3.1.2.2. By Voice Client
- 10.3.1.2.3. By Device Type
- 10.3.1.2.4. By End User
- 10.3.2. Colombia Voice over WiFi Market Outlook
 - 10.3.2.1. Market Size & Forecast
 - 10.3.2.1.1. By Value
 - 10.3.2.2. Market Share & Forecast
 - 10.3.2.2.1. By Technology
 - 10.3.2.2.2. By Voice Client
 - 10.3.2.2.3. By Device Type
 - 10.3.2.2.4. By End User
- 10.3.3. Argentina Voice over WiFi Market Outlook
 - 10.3.3.1. Market Size & Forecast
 - 10.3.3.1.1. By Value
 - 10.3.3.2. Market Share & Forecast
 - 10.3.3.2.1. By Technology
 - 10.3.3.2.2. By Voice Client
 - 10.3.3.2.3. By Device Type
 - 10.3.3.2.4. By End User

11. MARKET DYNAMICS

- 11.1. Drivers
- 11.2. Challenges

12. MARKET TRENDS & DEVELOPMENTS

- 12.1. Merger & Acquisition (If Any)
- 12.2. Product Launches (If Any)
- 12.3. Recent Developments

13. GLOBAL VOICE OVER WIFI MARKET: SWOT ANALYSIS

14. PORTER'S FIVE FORCES ANALYSIS

- 14.1. Competition in the Industry
- 14.2. Potential of New Entrants
- 14.3. Power of Suppliers

- 14.4. Power of Customers
- 14.5. Threat of Substitute Products

15. COMPETITIVE LANDSCAPE

- 15.1. Cisco Systems Inc.
 - 15.1.1. Business Overview
 - 15.1.2. Products & Services
 - 15.1.3. Recent Developments
 - 15.1.4. Key Personnel
 - 15.1.5. SWOT Analysis
- 15.2. AT&T Inc.
- 15.3. Ericsson AB
- 15.4. Nokia Corporation
- 15.5. Huawei Technologies Co., Ltd.
- 15.6. Orange S.A.
- 15.7. T-Mobile US, Inc.
- 15.8. Verizon Communications Inc.
- 15.9. Broadcom Inc.
- 15.10. TELUS Corporation

16. STRATEGIC RECOMMENDATIONS

17. ABOUT US & DISCLAIMER

I would like to order

Product name: Voice over WiFi Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Technology (CSFB, VoLGA, VoIMS), By Voice Client (Integrated VoWiFi, Separate VoWiFi, Browser VoWiFi), By Device Type (Smartphone, Router, Wireless Modem, Others), By End User (Residential, Commercial), By Region & Competition, 2021-2031F

Product link: <https://marketpublishers.com/r/V82F2488EEDEEN.html>

Price: US\$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/V82F2488EEDEEN.html>