

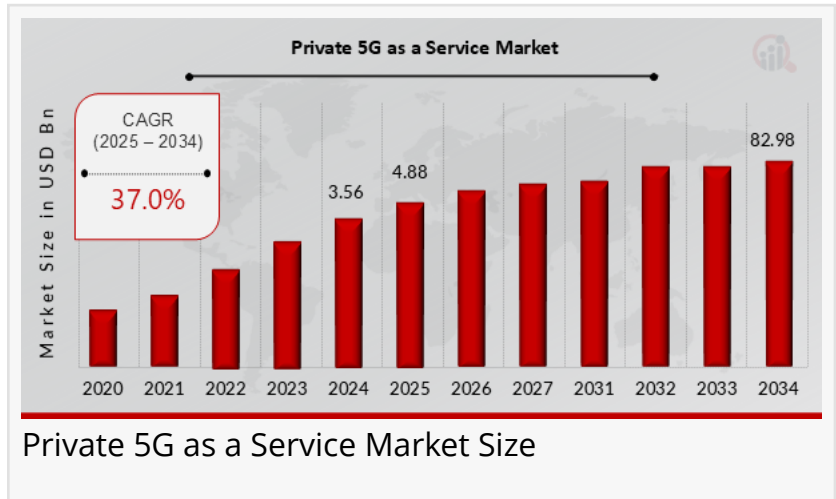
# Private 5G as a Service Market Growing at 37.0% CAGR, to Hit USD 82.98 Billion | Growth, Share Analysis, Company Profile

*Private 5G as a Service Market Research Report Information By Component, Frequency Band, Deployment Model, Industry Vertical, Spectrum, and Region*

FL, UNITED STATES, March 12, 2025

/EINPresswire.com/ -- The global [Private 5G as a Service Market](#) was valued at USD 3.56 billion in 2024 and is projected to witness exponential growth in the coming years. The market is expected to expand from

USD 4.88 billion in 2025 to USD 82.98 billion by 2034, registering a CAGR of 37.0% during the forecast period. This rapid growth is driven by the increasing adoption of Industrial Internet of Things (IIoT) applications and the rising demand for ultra-reliable low-latency connectivity.



## Key Drivers of Market Growth

1. Expansion of Industrial IoT (IIoT) – The integration of private 5G networks with IIoT applications such as collaborative robots, industrial cameras, and industrial sensors is a key growth driver.
2. Rising Demand for Low-Latency Communication – Industries require high-speed, ultra-reliable connectivity for mission-critical applications, boosting the demand for private 5G networks.
3. Security and Network Customization Benefits – Private 5G networks offer enhanced security and allow enterprises to customize network configurations based on operational needs.
4. Increasing Adoption in Smart Manufacturing – Advanced manufacturing industries are leveraging private 5G to enable automation, real-time monitoring, and AI-powered analytics.

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Key Companies in the Private 5G as a Service Market include

- Amazon Web Services, Inc.

- Verizon
- AT and T Intellectual Property
- Anterix Inc.
- Nokia
- Mavenir
- Kyndryl Inc.
- Cisco Systems, Inc.
- Ericsson
- Infosys Limited, among others

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## Market Segmentation

The Private 5G as a Service Market is segmented based on component, spectrum, application, and region.

### By Component

- Hardware – Includes core network components, small cells, routers, and antennas.
- Software – Cloud-based network management, AI-driven analytics, and automation software.
- Services – Managed services, network design, and consulting solutions for enterprises.

### By Spectrum

- Licensed Spectrum – Dedicated spectrum for enterprises ensuring secure and interference-free communication.
- Unlicensed Spectrum – Shared spectrum solutions offering cost-effective network deployment.
- Shared Spectrum – Hybrid models enabling flexible spectrum usage across different applications.

### By Application

- Manufacturing – Smart factories, automation, and predictive maintenance.
- Healthcare – Remote surgeries, patient monitoring, and telemedicine.
- Energy & Utilities – Smart grids, asset tracking, and industrial automation.
- Transportation & Logistics – Autonomous vehicles, real-time fleet tracking, and smart warehousing.
- Retail – AI-powered customer analytics, cashier-less stores, and smart inventory management.
- Others – Defense, agriculture, and public safety applications.

### By Region

- North America – Dominates the market with strong adoption in industrial automation and

smart cities.

- Europe – Growing demand for private 5G in manufacturing, healthcare, and logistics.
- Asia-Pacific – Fastest-growing region with significant investments in smart factories and IoT-driven industries.
- Rest of the World – Emerging markets in Latin America, the Middle East, and Africa showing potential for future growth.

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The global Private 5G as a Service Market is on an accelerated growth path, driven by increasing demand for ultra-reliable, low-latency networks and the expansion of Industrial IoT applications. While challenges such as high initial costs and regulatory complexities remain, advancements in AI, edge computing, and spectrum sharing solutions present lucrative opportunities for industry players. As enterprises across various sectors continue adopting private 5G networks, the market is set to transform industries by enabling next-generation connectivity and automation.

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+1 8556614441

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