

# Global 5G and Mobile Network Infrastructure Competitive Landscape Professional Research Report 2025

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## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global 5G and Mobile Network Infrastructure market size will reach 82,649 Million USD in 2025 and is projected to reach 230,360 Million USD by 2032, with a CAGR of 15.77% (2025-2032). Notably, the China 5G and Mobile Network Infrastructure market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

### Research Summary

5G, or the fifth generation of wireless technology, is the latest generation of mobile network infrastructure that enables faster and more reliable communication between devices. It represents a significant upgrade over previous generations, offering increased data transfer speeds, lower latency, greater capacity, and improved network reliability. Mobile network infrastructure refers to the underlying physical and virtual components that support the operation of mobile networks. It includes cell towers, base stations, antennas, routers, switches, and network servers. In the context of 5G, mobile network infrastructure is designed to accommodate the unique requirements of the technology, such as higher frequency bands, denser network deployments, and advanced network slicing capabilities. The infrastructure also supports the integration of other emerging technologies like cloud computing, edge computing, and Internet of Things (IoT), enabling the delivery of enhanced mobile services, such as ultra-high-definition video streaming, autonomous vehicles, smart cities, and industrial automation. The deployment and expansion of 5G mobile network infrastructure are essential to

unlocking the full potential of 5G technology and facilitating the development of innovative applications and services in various industries.

The major global manufacturers of 5G and Mobile Network Infrastructure include Huawei, Nokia, Ericsson, ZTE, Samsung, NEC, Cisco, Qualcomm, Intel, Skyworks, Mediatek, Marvell, Qorvo, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of 5G and Mobile Network Infrastructure. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global 5G and Mobile Network Infrastructure market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the 5G and Mobile Network Infrastructure market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of 5G and Mobile Network Infrastructure industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of 5G and Mobile Network Infrastructure Include:

Huawei

Nokia

Ericsson

ZTE

Samsung

NEC

Cisco

Qualcomm

Intel

Skyworks

Mediatek

Marvell

Qorvo

5G and Mobile Network Infrastructure Product Segment Include:

5G

LTE and 4G

3G

2G

Small Cells

Mobile Core

5G and Mobile Network Infrastructure Product Application Include:

Residential

Enterprise/Corporate

Autonomous Driving

Smart Cities

Industrial IoT

Smart Farming

Healthcare and Mission Critical Applications

Logistics and Shipping

Security and Surveillance

Others

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