

Total number of 5G base stations





Overview

How many 5G base stations are there in China?

In data collected between July 2022 and June 2024, China was reported to have had around 3.5 million 5G base stations installed across the country, with Chinese mobile operators investing heavily in 5G infrastructure. By comparison, the European Union had around 460,000 thousand base stations, while the United States had approximately 175,000.

What is the global 5G base station market size?

The global 5G base station market size was estimated at USD 33,472.5 million in 2023 and is projected to reach USD 253,624.3 million by 2030, growing at a CAGR of 33.5% from 2024 to 2030. The surging demand for high-speed connectivity is a significant factor driving the growth of the 5G base station market.

Who are 5G base stations suppliers?

Suppliers of 5G base stations were benefited from the rapid development of 5G technology. Huawei, Ericsson, Nokia, ZTE, and Samsung are among the world's leading suppliers. In 2024, these five vendors control almost 96.12 % of the global market. China has installed around 12 times as many 5G base stations as the United States.

Which segment dominates the 5G base station market in 2024?

The industrial segment maintains its dominance in the global 5G base station market, commanding approximately 27% market share in 2024. This significant market position is driven by the accelerating adoption of Industry 4.0 initiatives and the growing integration of IoT devices in manufacturing facilities.

How many 5G base stations are there in Japan?

Japan had over 100,000 active 5G base stations by 2023 Japan's 5G network is



expanding rapidly, with over 100,000 active base stations by 2023. The country has taken a strategic approach, focusing on major urban centers first and gradually expanding to rural areas.

How many base stations will 5G have in 2025?

The U.S. has ambitious plans for 5G expansion, aiming to have more than 300,000 active base stations by 2025. This goal is being driven by investment from private telecom providers and government initiatives like the Rural 5G Fund. For businesses in the U.S., this means increasing access to high-speed connectivity.



Total number of 5G base stations



China has 2.73m 5G base stations; user base world's largest

The number of China's 5G base stations and users are both growing rapidly as the push for digital construction progresses, laying a solid foundation for China's digital economy ...

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[Number of 5G base stations in selected markets](#)

2 days ago· With more than 4 million base stations by Q4 2024, China has built the world's largest #5G network--about 12x the EU and 30x the US, while India ranked second.

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Most 5G BTS towers by Jio, Airtel are concentrated in just six states

Out of India's 34 states and union territories, six account for over 55 per cent of the total 5G Base Transceiver Station (BTS) towers which have been installed by Reliance Jio and ...

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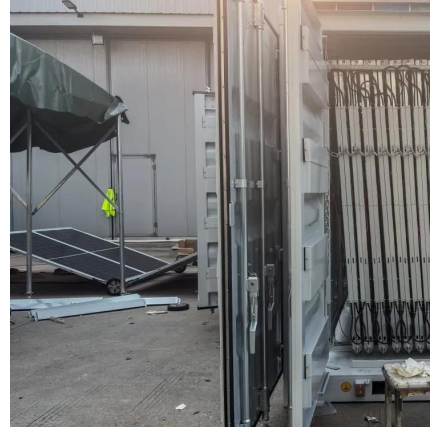
Investigating the Sustainability of the 5G Base Station ...

The structure of our paper is as follows. In Section 2, we discuss the materials that are needed to build 5G base stations. In Section 3,



we discuss the methods that we use to estimate the ...

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China 5G rush - 4.5m 5G base stations, 300 5G-A cities, 75% 5G ...

The total number of 5G base stations in China reached 4.486 million as of the end of May (2025), according to data released by the country's Ministry of Industry and Information ...

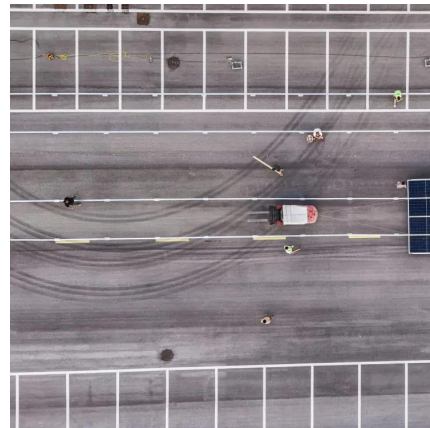
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[How Many 5G and LTE Base Stations are there in China](#)

As of the end of 2020, the total number of mobile communication base stations in China reached 9.31 million. Of these, there are 5.75 million 4G base stations, and more than 718,000 5G base ...

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5G Base Station Market Size, Share & Growth Report, 2030

The global 5G base station market size was estimated at USD 33,472.5 million in 2023 and is projected to reach USD 253,624.3 million by 2030, growing at a CAGR of 33.5% from 2024 to ...

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Worldwide: 5G base stations in selected markets, Statista

In data collected between July 2022 and June 2024, China was reported to have had around *** million 5G base stations installed across the country, with Chinese mobile operators ...

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[5G Base Station Growth: How Many Are Active? . PatentPC](#)

Industry forecasts suggest that by 2025, the total number of 5G base stations worldwide will surpass 5 million. This expansion will be driven by ongoing urbanization, demand for high ...

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The Total Number of 5G Base Stations Reaches 3.917 Million as ...

Among them, the total number of 5G base stations reached 3.917 million, a net increase of 540,000 compared to the end of last year, accounting for 33% of the total number ...

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