

# Communication China Base Station





## Overview

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Will China build a 5G base station next year?

Technicians from China Mobile check a 5G base station in Tongling, Anhui province. [Photo by Guo Shining/For China Daily] China aims to build over 4.5 million 5G base stations next year and give more policy as well as financial support to foster industries that can define the next decade, the country's top industry regulator said on Friday.

Do communication base station operations increase electricity consumption in China?

Comparing data from 2021, 2025, and 2030, 41 we found that the electricity consumption due to communication base station operations in China increased annually.

How many telecom base stations are there in China in 2024?

In 2024, the number of telecom base stations in China is expected to increase to 12.65 million. Based on this, we estimate that the total electricity consumption of telecom base stations in China in 2024 will be 146,242.621 GWh.

Can communication base stations reduce anxiety cases in China?

As a result, this approach was anticipated to reduce the number of anxiety cases in China caused by irregular sleep related to communication base stations by 488,500 (Figure 5 D).



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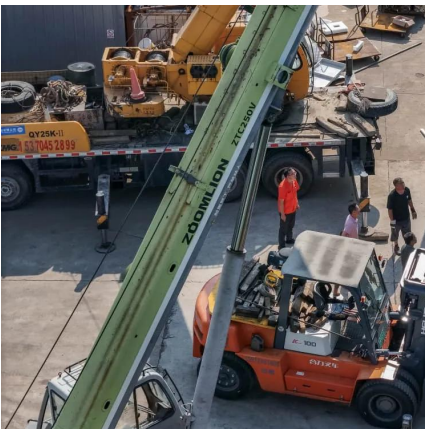


### [mobile communication base stations](#)

The evolution of mobile communication base stations in China is being significantly influenced by a range of innovative technologies, particularly in the realm of 5G deployment and beyond.

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### [China has more than 3.8 million 5G base stations](#)

Jun 28, 2024 · China's 5G base stations account for 60 percent of the global total, Zhao added. In China, more than half of all mobile phone users are 5G users, Zhao told MWC Shanghai. ...

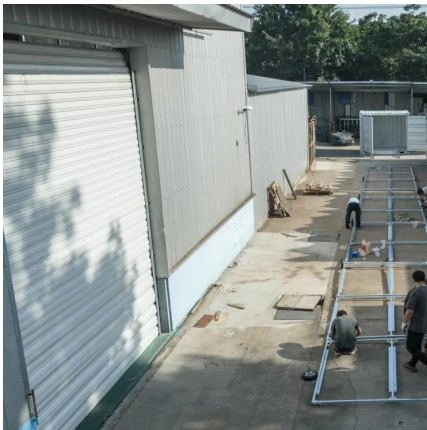
### **China's 2024 Achievements in Communication Infrastructure ...**

Jan 28, 2025 · The continued construction of 4G base stations provides strong support for ensuring the stable operation of existing networks and meeting user needs, while the rapid ...



### [China 5G base stations approach 4.5M](#)

Jun 26, 2025 · China's mobile operators added 235,000 5G base stations in the first five months of 2025, taking their combined total to nearly 4.5 million.



### [China home to 3.92 million 5G base stations](#)

Jul 24, 2024 · The number of 5G base stations in China had risen to nearly 3.92 million by the end of June, data from the Ministry of Industry and Information Technology showed on Tuesday.



### [China has more than 3.8 mln 5G base stations- Xinhua](#)

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## Low-carbon upgrading to China's communications base stations ...

Nov 21, 2025 · As China rapidly expands its digital infrastructure, the energy consumed by communication base stations has grown dramatically. Traditionally powered by coal ...

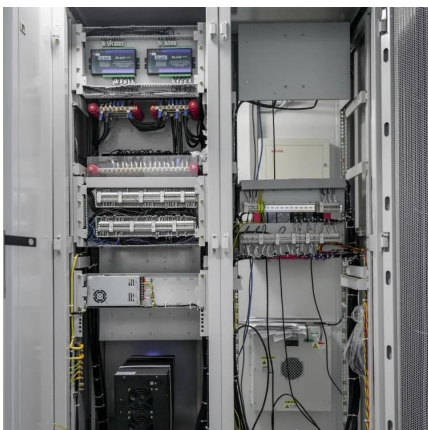


## [Ambitious 5G base station plan for 2025](#)

Nov 23, 2025 · Technicians from China Mobile check a 5G base station in Tongling, Anhui province. [Photo by Guo Shining/For China Daily] China aims to build over 4.5 million 5G base ...

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## [China to construct over 4.5 million 5G base ...](#)

Jan 2, 2025 · China ended 2024 with over 4.19 million 5G base stations China plans to construct over 4.5 million 5G base stations in 2025 while ...



### [China's Xizang has over 17,000 5G base stations](#)

Dec 18, 2024 · More than 17,000 5G base stations have been built in southwest China's Xizang Autonomous Region so far, among which 7,035 were newly added this year, according to local ...



### **China to construct over 4.5 million 5G base stations in 2025**

Jan 2, 2025 · China ended 2024 with over 4.19 million 5G base stations China plans to construct over 4.5 million 5G base stations in 2025 while introducing additional policy and financial ...

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