

# China Communications 5G Base Station in 2025





## Overview

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How many 5G base stations will China have by 2025?

China's Ministry of Industry and Information Technology (MIIT) plans to more than triple the number of 5G base stations over the next four years, targeting a total of 3.64 million by end-2025, local newspaper China Daily reported. China aims to have about 3.64 million 5G base stations by the end of 2025.

How many 5G subscribers does China Mobile have?

China Mobile has added a total of 166.22 million subscribers in the 5G segment since the beginning of the year. Rival operator China Unicom said it added a total of 7.88 million 5G subscribers during last month. During the first nine months of the year, the carrier added a total of 66.11 million 5G subscribers.

What will China do with the 5G push?

Alongside the 5G push, China will also start trials for 10-gigabit optical networks and optimize computing power centers amid an artificial intelligence (AI) boom brought on by ChatGPT.

Who are China's 5G operators?

Chinese main operators are China Mobile, China Telecom and China Unicom. In addition to its expected expansion in the 5G field, China noted that it is also set to begin trials for 10-gigabit optical networks and enhance computing power infrastructure, reflecting the growing demand for artificial intelligence (AI) technologies.

Does China have a 5G network?

Wen Ku, director-general of the China Communications Standards Association, highlighted the nation's progress in telecommunications, stating, "China has made remarkable strides in 5G infrastructure, which gives it an unparalleled edge in exploring 6G technologies."



Will China's 5G penetration rate increase in 2021?

The plan also proposed that the penetration rate of 5G users in China will increase from 15 percent in 2020 to 56 percent in 2021, and by then, 80 percent of China's administrative villages will have 5G signal accessibility.



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### Beijing targets fully large-scale 5G applications by 2027

Nearly 4.2 million 5G base stations were operational across China as of January 2025, according to the Ministry of Industry and Information ...

### Ambitious 5G base station plan for 2025

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 ...



### China plans to triple the number of 5G base stations by end of 2025

China aims to have about 3.64 million 5G base stations by the end of 2025. That's 26 5G base stations for every 10,000 people. In comparison, there were only five 5G base ...

### China's Ambitious 5G Base Station Plan for 2025: A Leap ...

China is set to establish over 4.5 million new 5G base stations by 2025, enhancing connectivity

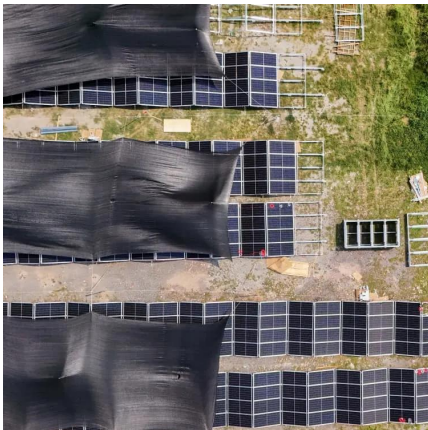


and transforming various industries. This ambitious expansion aims to bridge the ...



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### Beijing pins focus on digital future

Beijing has deployed nearly 16,000 5G-Advanced (5G-A) base stations and leads Chinese cities in 5G base station density per 10,000 people, municipal authorities said recently.



### China's 5G dominance: 3.19 million base stations ...

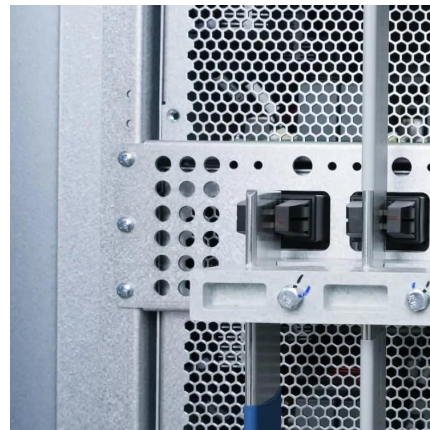
Base stations offering high-speed fifth-generation (5G) mobile networks have now exceeded 3.19 million, the Ministry of Industry and ...





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

Science for society As China rapidly expands its digital infrastructure, the energy consumed by communication base stations has grown dramatically. Traditionally powered by ...

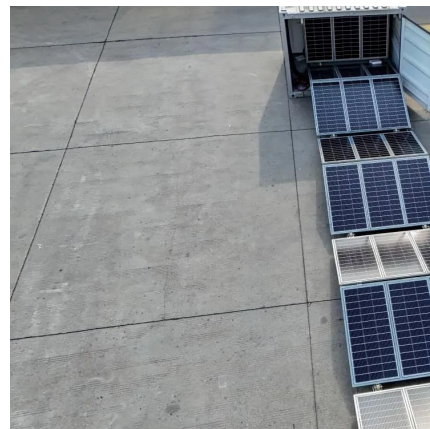


## [China 5G base stations approach 4.5M](#)

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 4.25 million 5G base stations](#)

BEIJING, Jan. 21 (Xinhua) -- The number of 5G base stations in China has hit 4.25 million, with the number of gigabit broadband users surpassing 200 million, official data ...



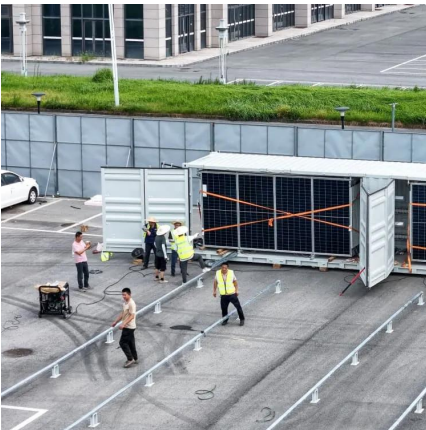
## [Ambitious 5G base station plan for 2025](#) [, GDToday](#)

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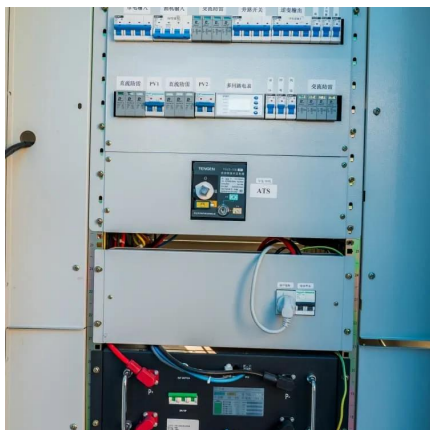
### **5G Network Equipment Manufacturers: Modem, Base Station, ...**

Explore leading 5G equipment manufacturers for modems, base stations, RAN, and core networks. Discover vendors enhancing network speed and efficiency.

### [China home to 4.25 million 5G base stations](#)

The number of 5G base stations in China has hit 4.25 million, with the number of gigabit broadband users surpassing 200 million, official data showed Tuesday. More than ...



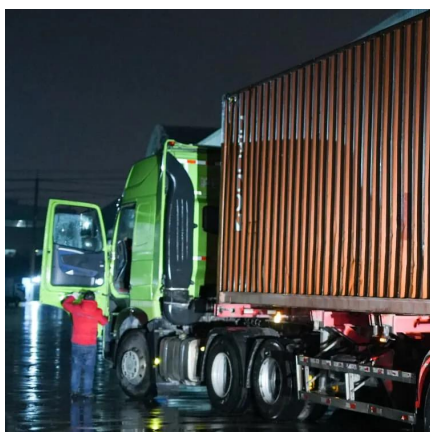


## China to construct over 4.5 million 5G base stations in ...

China plans to construct over 4.5 million 5G base stations in 2025 while introducing additional policy and financial incentives to support ...

## China aims to triple the number of 5G base stations by end-2025: ...

China's Ministry of Industry and Information Technology (MIIT) unveiled plans to more than triple the number of 5G base stations over the next four years, targeting a total of ...



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

China plans to construct over 4.5 million 5G base stations in 2025 while introducing additional policy and financial incentives to support industries expected to shape the next ...

## China's 5G User Base Expands by Over 100 Million in First Half of 2025

According to the operational report of the telecommunications industry for the first half of 2025 released by the Ministry of Industry and Information Technology, China's mobile ...



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### China Mobile Expands 5G Network with 340K New Base Stations

The operator aims to install 340,000 new 5G base stations in 2025, pushing its total to almost 2.8 million. These efforts reflect China's overarching goal of over 4.5 million ...



### [China home to 4 million 5G base stations](#)

Technicians carry out an upgrade of a 5G station in Tongling, Anhui province, Dec 1, 2023.  
[Photo/VCG] BEIJING - The number of 5G base ...





## 10042025 The Mobile Economy China 2025

Around 4.2 million 5G base stations were operational across China as of January 2025, according to the Ministry of Industry and Information Technology (MIIT). This number is set to rise ...

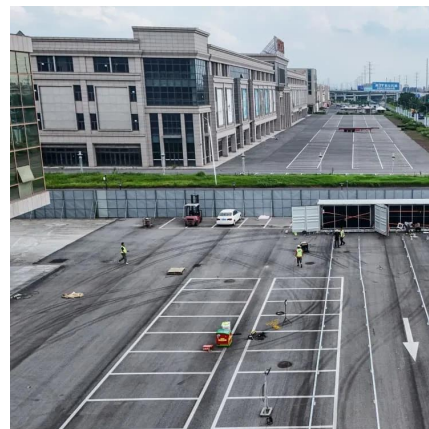


## China Mobile Expands 5G Network with 340K New ...

The operator aims to install 340,000 new 5G base stations in 2025, pushing its total to almost 2.8 million. These efforts reflect China's ...

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

With these new 5G deployments, China Mobile's total 5G base stations will reach nearly 2.8 million by the end of 2025. Chinese operators have rolled out 5G-Advanced (5G-A) ...



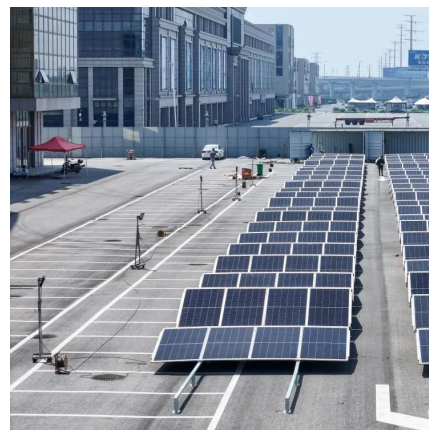
## **[New Year, New Beginning] China Mobile Accelerates Innovation ...**

Since the beginning of the year, China Mobile Communications Group Co., Ltd. (China Mobile) has been driving innovation by strengthening its 5G, gigabit optical networks ...



## 5G

Compared to 4G, 5G networks offer not only higher download speeds, with a peak speed of 10 gigabits per second (Gbit/s), [a] but also substantially lower ...



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

Chinese mobile operators added 235,000 5G base stations in the first five months of 2025, taking their combined total to nearly 4.5 million, data ...

## China's New Digital Infrastructure: Expanding 5G Mobile Communications

A key component of China's endeavour to develop new advanced infrastructure is the expansion of the fifth-generation (5G) mobile communications networks. China has thus taken up a ...





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