
China Communications 5G Base Station Density

How many 5G base stations are there in China?

2027 master plan - a second 'Set Sail' 5G expansion plan aims for 85% 5G penetration and 75% of network traffic on 5G. The total number of 5G base stations in China reached 4.486 millionas of the end of May (2025),according to data released by the country's Ministry of Industry and Information Technology (MIIT).

How many 5G base stations will China Mobile have in 2025?

China Mobile,the world's largest mobile carrier in terms of subscribers,had previously outlined plans to deploy 340,000 additional 5G base stations in 2025. With these new 5G deployments,China Mobile's total 5G base stations will reach nearly 2.8 millionby the end of 2025.

How many 5G sites are there in China?

Mobile operators in China are ramping up 5G and 5G-A rollouts,with the former now at 4.5 million cell sites and the latter in 300 cities; a new 2027 roadmap will see 75% of mobile data in the country on 5G networks. 5G on 5M sites - China has over 4.486 million5G sites; 5G now comprises more than 35% of total mobile base stations.

How much power does a 5G base station use?

Each nation has a different 5G strategy. For 5G,China uses 3.5GHz as the frequency. Then,a 5G base station resembles a 4G system,but it's on a much larger scale. For sub-6GHz in 5G,let's say you have a macro base station. The power levels at the antenna range from 40 watts,80 watts or 100 watts.

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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.

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.

Wen Ku, director-general of the China Communications Standards Association, said:
"China has made remarkable strides in 5G infrastructure, which gives it an unparalleled
...

Shanghai will establish up to 10,000 new 5G-A base stations this year, routing more than 70 percent of the city's internet traffic through 5G network, helping Shanghai maintain its ...

Beijing has constructed about 114,500 5G base stations as of April, with a density of 52 stations per 10,000 people, ranking first in China, said an official on Friday. "Beijing is ...

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BEIJING, Sept. 23 -- The number of 5G base stations in China has reached nearly 4.65 million by the end of August, official data showed Tuesday. The figure accounted for 36.3 percent of the ...

5G base stations were distributed at a density of 15.7 per 10,000 people, 1.9 times that of the same period last year. Beijing, Shanghai, Tianjin and Zhejiang reported 5G base station ...

China had about 4.71 million 5G base stations by the end of September, amid its efforts to strengthen its cyber infrastructure. Over the last five years, China has built the ...

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