

China communication base station

How many 5G base stations are built in China?

As 5G serves as the foundation for the construction of new infrastructure, China, as the world leader in 5G base station construction, has already built over 1.4 million 5G base stations in 2021 alone. In the same year, 5G base stations in China produced approximately 49.2 million tons of CO₂ eq.

Do 5G base stations need more base stations?

Consequently, deploying more base stations is necessary for 5G base stations to cover the same area. Macro and micro base stations are currently being deployed for 5G network. The base station is categorized into micro base station, macro base station, and sub-system based on the coverage range.

Can macro base stations be used in 5G networks?

Thus, deploying macro base stations on a large scale is not feasible for 5G networks. Micro base stations, on the other hand, are smaller and more flexible, allowing them to supplement the peripheral communication that cannot be covered by macro stations, thereby improving communication quality and capacity.

<p>Communication base stations are facing the problems of uneven heat dissipation and high energy consumption of the heat dissipation systems. The separated heat pipe heat exchanger ...

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