

# Can China manufacture base station communication chips

They are the global leader in the field of baseband chips for small base stations in the 3G and 4G era, and they are also one of the few established teams in China that have successfully ...

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It is reported that ZTE's 7nm and 5nm chips are both used in 5G base stations. ZTE is also the company that currently mass-produces 7nm and introduces 5nm in China.

The China RF transceiver chips market for base stations is experiencing significant shifts driven by technological advancements and evolving industry standards.

Mar 28, 2025 &#183; Discover key trends in the 5G Small Base Station Chips Market as the United States, China, and South Korea drive innovation with advanced semiconductor technologies

The company [ZTE] has been utilizing some of TSMC's most advanced chip production technology -- the so-called 7-nm tech -- to build processors for its 5G base stations.

It is a major step in the independence of China's telecoms sector as the global market for 5G micro base station chips is mainly dominated by foreign manufacturers, namely Intel, NXP and ...

In fact, it's nothing, either the chips left over from before are still being used; or these chips are produced by Chinese domestic companies.

In December 2025, Reuters reported that China had secretly completed a prototype extreme ultraviolet (EUV) lithography machine in Shenzhen, which was expected to produce working chips between ...

Chinese Imports of Chip Manufacturing Equipment. Note: The data extend through December 2023. First vertical line indicates restrictions announced in January 2023, second vertical ...

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