

# **How many nanometers does 5G base station communication equipment use**





## Overview

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How will 5G base stations and devices work?

To address the demands of increased performance, 5G base stations and devices will use many antennas. Arrays of up to hundreds of small antennas at the base station will make it possible to focus the transmission of radio waves to maximize the signals that the connected devices receive. This is called beamforming or massive MIMO.

Are 5G base station chips compatible with 4G & 6G networks?

5G base station chips must be compatible with 4G, 5G, and future 6G networks, supporting multi-band and technology standard switching to ensure seamless connection between generations of networks.

Why are 5G base station chips important?

As 5G technology matures and manufacturing processes are optimized, the cost of base station chips will gradually decrease, thereby promoting the wider deployment of 5G networks. 5G base station chips play a critical role in the construction of 5G networks.

What are the technical requirements for 5G base station chips?

As core components, 5G base station chips must meet the following key technical requirements: 1. High Spectrum Efficiency and Large Bandwidth Support 5G networks use a broader range of spectrum resources, particularly the millimeter-wave bands (24 GHz and above).



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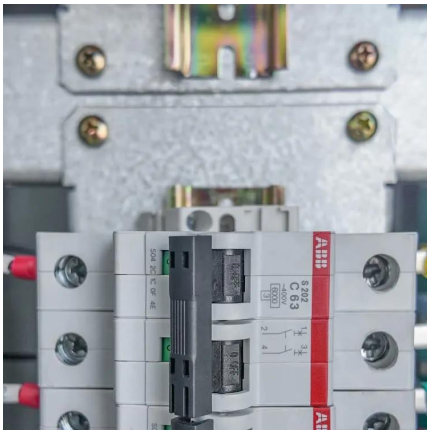
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