

A-Core Container

How many 5G base stations are there in Europe



Overview

How many 5G base stations are there in the United States?

While China leads in sheer numbers, the U.S. is making steady progress. By late 2023, the country had between 150,000 and 200,000 active 5G base stations. The deployment strategy in the U.S. is different from China's, as it relies on private investment rather than government-led initiatives. Is this article too long?

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What is Europe's approach to 5G?

Europe's approach to 5G has been more balanced. By 2023, the continent had around 500,000 active base stations, with countries like Germany, the UK, and France leading the way. Unlike China and the U.S., Europe has emphasized widespread but steady deployment, focusing on balancing urban and rural connectivity.

How many 5G base stations does the EU-27 have?

The EU-27 has deployed around ten 5G base stations per million capita, whereas South Korea has rolled out around 1,500 base stations per million (by the end of 2019). The EU-27 has upgraded 1% of 4G base stations to 5G, whereas South Korea upgraded 98% (by the end of 2019).

Which EU countries have 5G coverage?

According to data collected by Omdia/Point Topic for the European Commission's DESI, four EU countries - Denmark, the Netherlands, Malta, and Cyprus - achieved 100 per cent 5G coverage of households. The EU average was 89.3 per cent in 2023. Nearly half of the EU countries reported that over 96 per cent of households have 5G coverage.

Which country has the most 5G networks in the world?

South Korea is another leader in 5G adoption. With over 200,000 active base stations, the country boasts nearly 90% population coverage. This has made South Korea one of the most connected nations in the world, with advanced use cases in entertainment, healthcare, and finance.

How much has Europe spent on 5G?

On the cost side, European mobile operators have invested over €160 billion in mobile capex over the past five years, much of which has been spent on 5G networks. Mobile capex/revenue in the region was 16% at the end of 2023, likely marking the peak of the 5G investment cycle.

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