

Can the 5g signal mini base station be used





Overview

What is a 5G small cell base station?

5G small cell base stations are extremely compact, allowing carriers to deploy them in various environments where extra coverage is needed. Whether a carrier needs to accommodate a large number of consumers or a high volume of IoT devices, small cells can strengthen and improve local cellular coverage.

How does a 5G network work?

When a user moves behind an obstacle, their cell phone automatically switches to the nearest small cell, maintaining a seamless connection. This ensures uninterrupted 5G network coverage for users. The image above depicts a typical 5G network setup, featuring both small cells and the main 5G NB (or 5G Base Station).

Are 5G base stations 3GPP compatible?

In conjunction with 5G NR, private base stations (BS) can support connectivity for different spectrum bands (sub-GHz, 1 to 6 GHz, or mmWave). The 5G base station products must pass all of the test requirements prior to their release. Otherwise, the products are not 3GPP-compatible or appropriate to implement in a network.

What are 5G small cells?

The base stations for 5G small cells, on the other hand, are more like the size of a briefcase, making them both less expensive and more versatile. Notably, 5G small cells have to “backhaul” into the network to provide coverage, either piggybacking off a macrocell or using various methods, including wired, fiber, or microwave connections.



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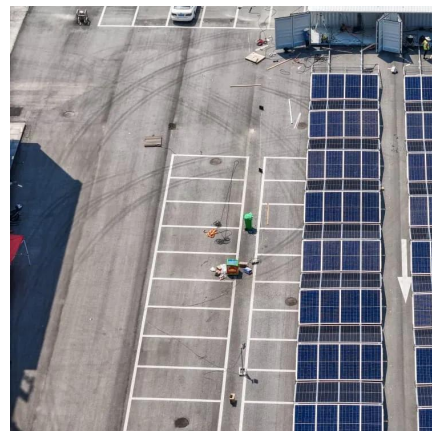
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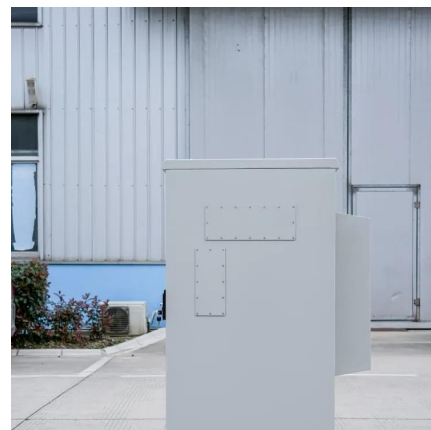
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