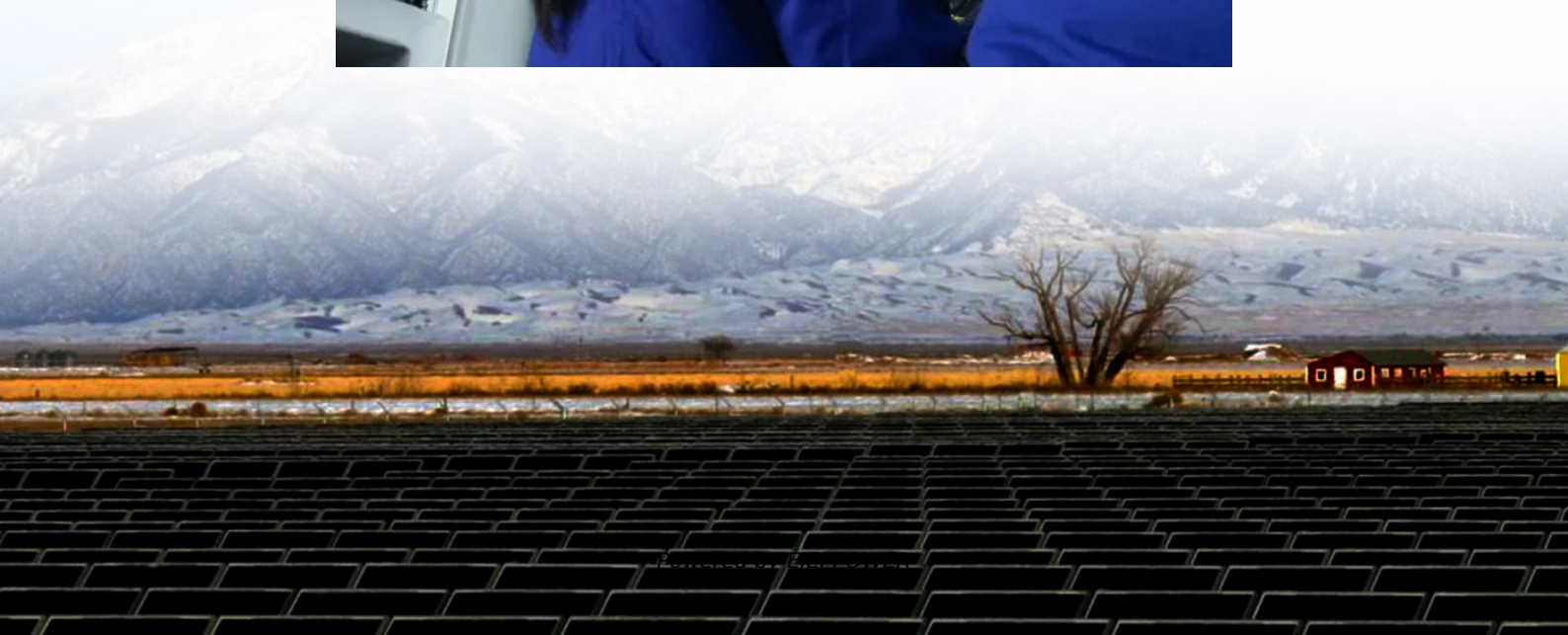


Power management chip required for 5g base station





Overview

Why are small cells a new part of 5G?

The need to increase the number of base stations to provide wider and more dense coverage has led to the creation of small cells. Small cells are a new part of the 5G platform that increase network capacity and speed, while also having a lower deployment cost than macrocells.

How do small cells fit into the 5G ecosystem?

A cell tower (also called a macrocell) is a huge umbrella used to provide radio signals to thousands of users in large areas with minimal obstructions. To extend the coverage of a macrocell, distributive antenna systems (DASs) are used in conjunction with the cell tower.

Why do small cells need a 5G antenna?

Increasing the frequency increases the speed of sending/ receiving signals and helps shrink the size of the antenna, which in turn shrinks the size of the cell. Shorter wavelengths result in a decrease in signal penetration and radius, reinforcing the need for small cells. How do small cells fit into the 5G ecosystem?

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Do das increase network capacity?

DASs take a signal from the base station and boost it to increase the area the signal can reach. While DASs are great for increasing coverage, they do not increase network capacity; the only way to increase network capacity is to add more base stations, which is why small cells are so useful.



Power management chip required for 5g base station



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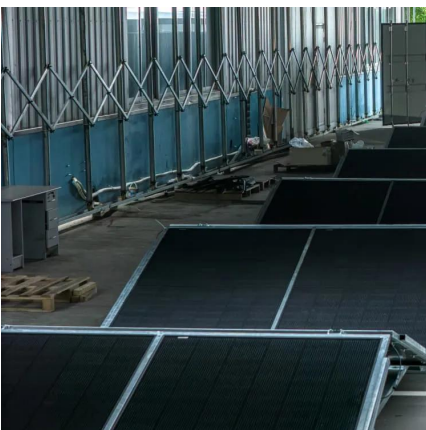
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