

Are 5G base stations divided into communication and





Overview

What is a 5G base station?

The 5G base station is the core equipment of the 5G network, providing wireless coverage and realizing wireless signal transmission between the wired communication network and the wireless terminal. The architecture and shape of the base station directly affect how the 5G network is deployed.

What is a 5G baseband unit?

The 5G baseband unit is responsible for NR baseband protocol processing, including the entire user plane (UP) and control plane (CP) protocol processing functions, and provides a backhaul interface (NG interface) with the core network and an interconnection interface (Xn interface) between base stations).

How does the architecture of a base station affect 5G?

The architecture and shape of the base station directly affect how the 5G network is deployed. In the technical standards, the frequency band of 5G is much higher than that of 2G, 3G and 4G networks.

What is a 5G ran?

The RAN is responsible for connecting user devices to the core network. In 5G, the RAN is divided into two main components: gNB (gNodeB) and NG-RAN (Next-Generation RAN). gNB (gNodeB): This is the physical base station that communicates directly with user devices (UEs).



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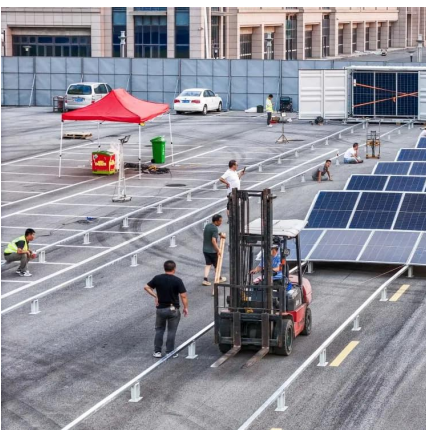
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