

What is 5g base station communication equipment





Overview

What are the components and functions of a 5G base station?

Here is a technical breakdown of the key components and functions of a 5G base station: Transceivers: The RF frontend includes transceivers that are responsible for transmitting and receiving radio signals over the air. Multiple transceivers are often used to support multiple frequency bands and antenna arrays.

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 the backhaul interface (NG interface) with the core network and the interconnection interface between base stations (Xn interface).

What are the different types of 5G base stations?

From the perspective of equipment architecture, 5G base stations can be divided into different architectures such as BBU-AAU, CU-DU-AAU, BBU-RRU-Antenna, CU-DU-RRU-Antenna, and integrated gNB.

What frequency bands do 5G base stations use?

Utilization of Frequency Spectrum: 5g Base Stations Operate in specific Frequency Bands Allocated for 5G Communication. These bands include Sub-6 GHz Frequencies for Broader Coverage and Millimeter-Wave (Mmwave) Frequencies for Higher Data Rates.



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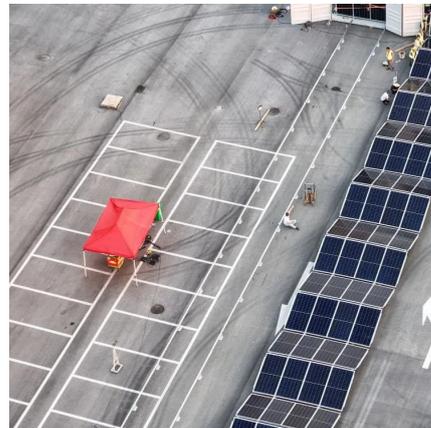


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