

A-Core Container

Communication Micro Base Station Working Mode



Overview

What is a micro base station?

A micro base station is a relatively small-scale base station with a smaller coverage area than a macro base station. It is usually set up in densely populated areas such as indoors, office buildings, shopping malls, subway stations, etc. to provide better signal coverage and capacity support.

What is a macro base station?

A 'Macro Base Station' is a type of base station in wireless communication systems that is responsible for waking up sleeping small base stations (SBSs) when there are multiple user devices requesting connection with the main base station (MBS).

Why are base stations important in cellular communication?

Base stations are important in the cellular communication as it facilitate seamless communication between mobile devices and the network communication. The demand for efficient data transmission are increased as we are advancing towards new technologies such as 5G and other data intensive applications.

How can a millimeter-wave base station improve real-time information transmission?

Finally, the proposed metasurfaces help the millimeter-wave base station to realize real-time information transmission of multi-users with different directions in a realistic indoor scenario. The experimental results demonstrate that the new beamforming base station system can intelligently enhance or attenuate signals in specific target areas.

What is the difference between a micro base station and a picocell?

Micro base stations can enhance the quality and stability of wireless signals and provide higher data transmission speeds and lower latency. A picocell is a

smaller base station with a smaller coverage area than a microcell.

How does a base station work?

It usually connects the device to other networks or devices through a dedicated high bandwidth wire or fiber optic connection. Base stations typically have a transceiver, capable of sending and receiving wireless signals; Otherwise if they only send the trailer it will be considered a transmitter or broadcast point only.

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Contact Us

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