

## ContainerPower Energy Solutions

# Can Huawei 5G base station communication be used



## Overview

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What is a Huawei base station?

Let's dive into a technical explanation. A base station, also known as an eNodeB (for 4G LTE) or gNodeB (for 5G NR) in Huawei's terminology, is a piece of equipment that facilitates wireless communication between user equipment (UE) like smartphones, tablets, and IoT devices, and the core network of the telecommunications provider.

How many 5G base stations are there in China?

Operators have deployed tens of thousands of private networks for the 5GtoB market and by the end of 2022, 2.312 million 5G base stations had been built in China. That is 21.3% of all base stations in the country and 60% of all 5G base stations worldwide.

What is a standalone 5G network?

Standalone (SA): standalone networking. SA uses an end-to-end 5G network architecture, where 5G standards are used on terminals, base stations, and core networks. SA supports a variety of 5G new services, including eMBB, URLLC, and mMTC, and is applicable to the middle and later stages of 5G network construction. Routers support NSA and SA.

What is a 5G network architecture?

A 5G network consists of a wireless network and core network. The following describes the concepts needed to understand 5G network architectures:  
Evolved Packet Core (EPC): an LTE core network.

What is the difference between a Wan and a 5G modem?

On a WAN, a router functions as a TE, and a 5G modem functions as an MS.  
Non-standalone (NSA): non-standalone networking. In NSA networking, 5G base stations cannot be deployed independently, requiring LTE base stations to be used as anchor points on the control plane for access to the core

network.

What is a 5G modem?

5G modem: is built into a router to implement the 5G function and maintain compatibility with the LTE and 3G functions. User equipment (UE): a terminal device used by a user to access a wireless network. On a WAN, a UE is a router. A UE has two roles: terminal equipment (TE) and mobile station (MS).

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