

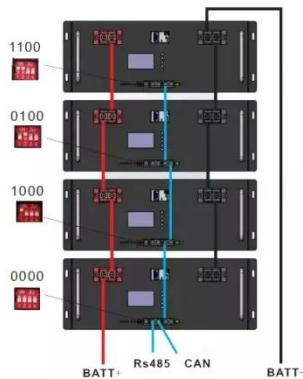
Communication between terminal and base station



Overview

Equipped with an electromagnetic wave antenna, often placed on a tall mast, the base station enables communication between mobile terminals (such as mobile phones or pagers) and the fixed part of the digital telecommunications network. Priority date (The priority date is an assumption and is not a legal conclusion. Google has not performed a legal analysis and makes no representation as to the accuracy of the date listed. It usually connects the device to other networks or devices through a dedicated high bandwidth wire of fiber optic connection. Base stations typically have a transceiver, capable of sending and. A terminal according to one aspect of the present disclosure is characterized by comprising: a control unit that controls the transmission timing of a physical random access channel (PRACH) without receiving a synchronization signal block (SSB); and a transmission unit that transmits the PRACH on. A base transceiver station (BTS) or a baseband unit[1] (BBU) is a piece of equipment that facilitates wireless communication between user equipment (UE) and a network.

Communication between terminal and base station



Communication method, base station, and terminal device

Abstract: Embodiments of the present invention provide a communication method, a base station, and a terminal device.

Base transceiver station

A base transceiver station (BTS) or a baseband unit (BBU) is a piece of equipment that facilitates wireless communication between user equipment (UE) and a network. UEs are devices like mobile phones (handsets), WLL phones, computers with wireless Internet connectivity, or antennas mounted on buildings or telecommunication towers. The network can be that of any of the wireless communication technologies like GSM, CDMA, wireless local loop, Wi-Fi, WiMAX or other wide area network (WAN) techn...



The Base Station in Wireless Communications: The Key to Modern

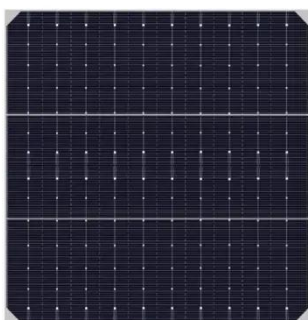
Equipped with an electromagnetic wave



antenna, often placed on a tall mast, the base station enables communication between mobile terminals (such as mobile phones or pagers) and the ...

Method, terminal and base station of assisting communication

A free frequency range in the uploading frequency spectrum is effectively invoked by the base station, the service data transmission is carried out between the terminals, and thus the effective utilization ...



WO2019232326A1

The present application discloses a communication method performed by a relay device.

Base transceiver station

Typically a BTS will have several transceivers (TRXs) which allow it to

serve several different frequencies and different sectors of the cell (in the case of sectorised base stations). A BTS is ...



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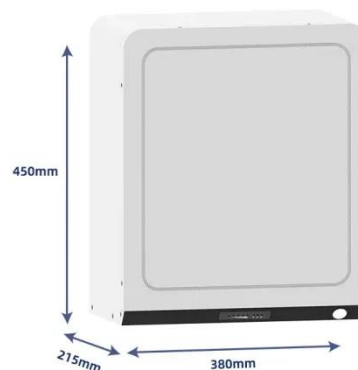


Base Stations

Backhaul Connection: The backhaul connection links the base station to the core network in the mobile communication system. It provides for the interchange of data between the base station ...

Base Stations and Cell Towers: The Pillars of Mobile Connectivity

Base stations use antennas mounted on cell towers to send and receive radio signals to and from mobile devices within their coverage area. This communication enables users to make ...



WO/2026/023067 TERMINAL, WIRELESS COMMUNICATION ...

A terminal according to one aspect of the present disclosure is characterized



by comprising: a control unit that controls the transmission timing of a physical random access channel ...

Base Transceiver Station

A base transceiver station (BTS) is defined as a network component that serves one cell within a base station system, which is part of a hierarchical structure for communicating with mobile terminals in a ...



What is a Base Station in Telecommunications?

Discover the role and functionality of a base station in telecommunications networks. Learn how these critical components manage communication between mobile devices and the network, ensuring ...

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