

A Bone Conduction Communication System and Method Based on Internet of Things ("IoT")

Abstract

The invention relates to the technical field of data processing and discloses a bone conduction communication system and method based on the Internet of Things. The system includes a headset unit, a voice controller, a signal receiving module, an encryption module, a wireless transceiver module, a data management module, and a mobile terminal. The communication method includes: providing a microphone signal through a headset unit and converting the headset signals provided by the voice controller into corresponding voice; controlling, detecting, and communicating the microphone signal transmitted by the headset unit through the voice controller; converting the signal into a digital signal and compressing the signals in real-time into the data in a smaller volume, and sending the data to the host computer through the communication system. The invention solves the problem that the existing digital voice-controlled bone conduction headset system has a single function, and cannot automatically change the desired content according to customers' needs; it cannot cooperate with walkie-talkies or other communication equipment to achieve reliable and flexible communication.

FIG. 1