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Abstract
In general, the uncompressed digitalized-voice data may has the data-rate up to 64kbps.For 1GB space as an example, it may need 35 hours to save the uncompressed data. Due to the memory resource is limited for the embedded system. We develop a kind of advanced voice compressing method to improve the data storage efficiency. This article discusses the method of voice compress/uncompress algorithm. For validation, we implement a voice record and play function to validate the proposed algorithm using a voice compress/ uncompress ASIC(ET83X431) based on a 32-bit ARM platform. This voice compress/ uncompress ASIC can be apply on the high quality wireless headset, wireless phone, answer machine, and the network voice stream products.
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