

Research on solutions for voice over WLAN technology

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Abstract: This topic aims to research and develop an effective solution for audio transmission over Wireless Local Area Networks (WLAN) to meet the demand for fast and reliable communication in practice. The main objective is to build a voice system based on the WLAN platform, utilizing advanced technologies such as signal encoding, quality of service management, and data transmission optimization. The research method combines theory and experimental application to ensure the feasibility of the solution. The expected result is a significant improvement in voice quality over WLAN, contributing to the advancement of mobile technology and wireless networks.

Keywords: Multimedia, WLAN, audio transmission, quality of service management, transmission optimization