Building peripheral communication practice exercises with the MSP430 microcontroller series

Nguyen Xuan Binh

Abstract: In the context of the increasing demand for automation systems and IoT, this topic aims to address the problem of designing and deploying effective peripheral communication exercises using the MSP430 microcontroller family. The goal is to build a system capable of acquiring data from various peripheral sensors and transmitting them over a wireless network. The research method combines theory with experimentation to ensure the accuracy and reliability of the system. Expected results contribute to the development of peripheral communication techniques in IoT applications, bringing practical value to the automation industry.

Keywords: MSP430, Peripheral interface, IoT, Sensor, Automation