

CAN communication protocol and application

Nguyen Tho Khang

Abstract: This topic focuses on researching the Controller Area Network (CAN) communication protocol and its practical applications. The objective is to deeply analyze the operating mechanism, technical characteristics, and benefits of CAN, while designing and implementing a system based on this protocol to address communication performance issues in automotive networks. The research method combines theory with experimentation to ensure high applicability. The expected outcome is the enhancement of data transmission performance and optimization of system management processes, contributing to the sustainable development of electronic technology in the automotive industry.

Keywords: CAN protocol, Artificial Intelligence, Automobile