uCAN v2.0
White Paper

English version 2.0
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Serial Communication Experts
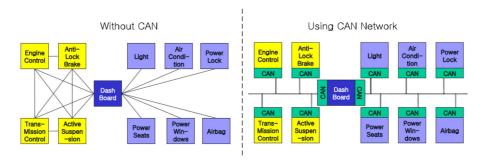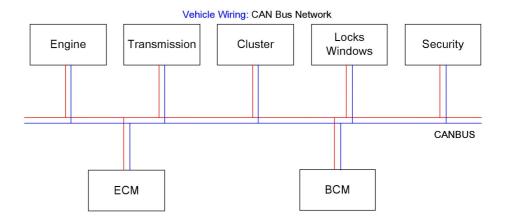SystemBase
Since 1987

Overview

CAN was developed for communication among devices in the vehicle in 1986.

It uses two signal lines, CAN_H and CAN_L, to send data. CAN uses frame called message to send data unit. There are message ID in each message to prioritize the message. CAN communication is used in complex network to simplify it. It is used in automotive industry and other industries.

Vehicle Wiring: CAN Bus Network

Background

As mentioned previously, CAN network is used not only in automotive industry but for other industrial bus. Therefore, to analyze and test its message, an analyzer is required.

uCAN is an analyzer developed to meet this need.

Product Overview

Using a USB port in a laptop computer or desktop computer, uCAN can analyze or execute exerciser function through CAN bus. uCAN is recognized by Windows as USB HID (Human Interface Device) which does not require additional driver to be install when using it. Provided GUI (Graphical User Interface) shows the CAN message in a way that even a beginner can understand and analyze the CAN bus.

For CAN network developers, DLL (Dynamic-linked Library) file for Windows is provided to use uCAN as a USB to CAN and CAN to USB converter. Any CAN data type can be transmitted and received to be parse to easier and faster use.