

## CAN COMMUNICATION SYSTEM > GENERAL

### OUTLINE

- a.** The Controller Area Network (CAN) is a serial data communication network for real time application. It is a multiplex communication network to be equipped in a vehicle, and has communication speeds of 500 kbps (HS-CAN) and 250 kbps (MS-CAN), and the ability to detect malfunctions.
- b.** The HS-CAN consists of the V1 bus, V2 bus, sensor bus, and power management bus.
- c.** The MS-CAN consists of the MS bus.
- d.** The communication wire used is a twisted-pair wire. The bus line has a high line (2.5 V to 3.5 V of voltage is applied) and a low line (1.5 V to 2.5 V of voltage is applied).
- e.** The main body ECU and the power management control ECU both have a gateway function. The ECUs connect the respective buses in order to establish communication between each bus.