

Wireless Communication Technology

Under development
Scheduled to be installed in 2032

Wireless communication technology to meet the needs for lightweight vehicles and reduction in wire harnesses

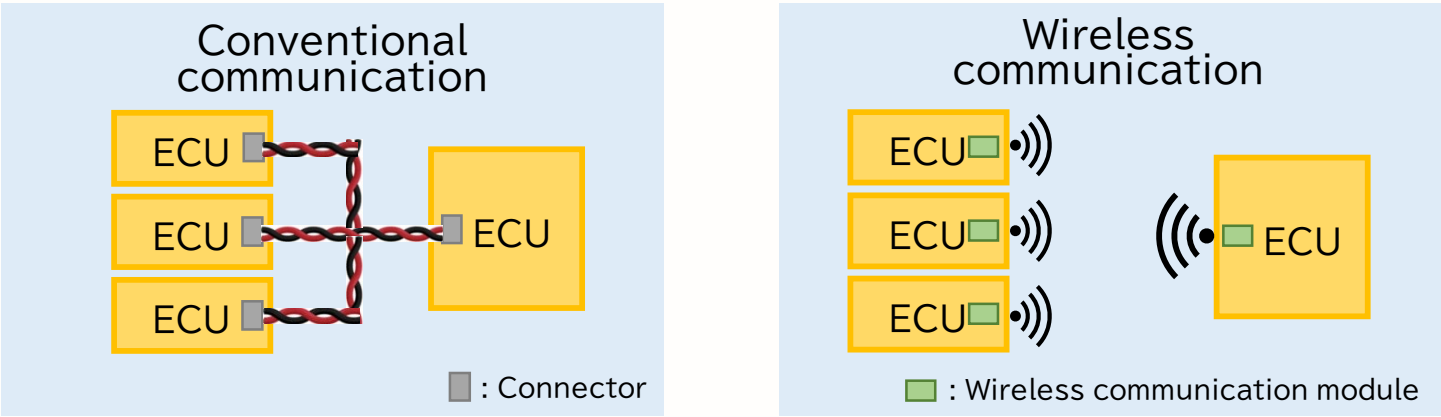
Background or Challenges

- Due to an increase in the number of vehicle devices,
- Difficulty with securing vehicle compartment space
 - Difficulty in wiring and weight increase of wire harnesses

Solutions to Challenges

- 1 Achieves excellent wireless communication even in areas surrounded by metal housings such as battery packs
- 2 Can be installed in small spaces by using compact module designs with integrated antenna
- 3 Hardware is standardized, supporting various vehicle systems by simply changing software

Main performance, specifications and structure



Communication system	BLE 5.4
Communication frequency band	2.40GHz to 2.48GHz
Transmission speed	Up to 2Mbps
Feature	•Low power consumption •Support various topologies (Pairing, Broadcast, Mesh)

