In-developing

Zone ECU

All functions are integrated, power distribution with full semiconductors, high-speed communication, proxy in/output, communication Gateway.

Develop Zone ECU for integrated control architecture

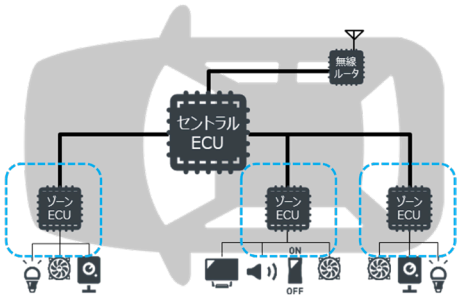
Current E/E architectures are the distributed type in which ECUs (Electric Control Unit) are distributed individually for each system. However, in order to respond to vehicle changes*, it has shifted to the integrated control type consisting of centralized ECU integrated control functions for multiple systems and Zone ECU dedicated to in/output for each area.

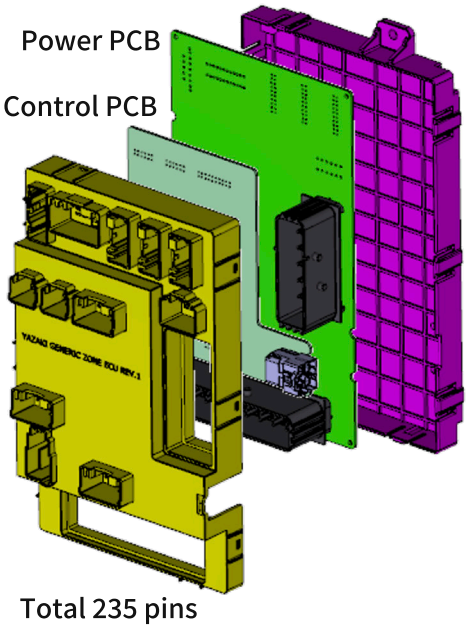
*Easily add functions by updating software with OTA (Over The Air)

Feature

1. Power distribution with full semiconductors integrated FUSE functions
2. High-speed communication function (1Gbps Ethernet)
3. A wide range in/output (Analog/ Digital/ High side/ Low side/ Half bridge Total 144ch)

Performance/Specification





Features

Area Power Supply	Ethernet Communication
Semiconductor FUSE	CAN / CANFD Communication
Proxy Input /Output (I/O)	LIN Communication
Software Update	Communication Gateway
Cyber Security	Switching HUB

Specification

Operating Temperature	-40degC to 85degC
Operating Voltage	6V - 16V
Input	72ch
Output High Side / Half Bridge	64ch
Output Low Side	8ch
Ethernet (1Gbps)	1ch
Ethernet (100Mbps)	4ch
CAN, CANFD	8ch
LIN	10ch

YAZAKI