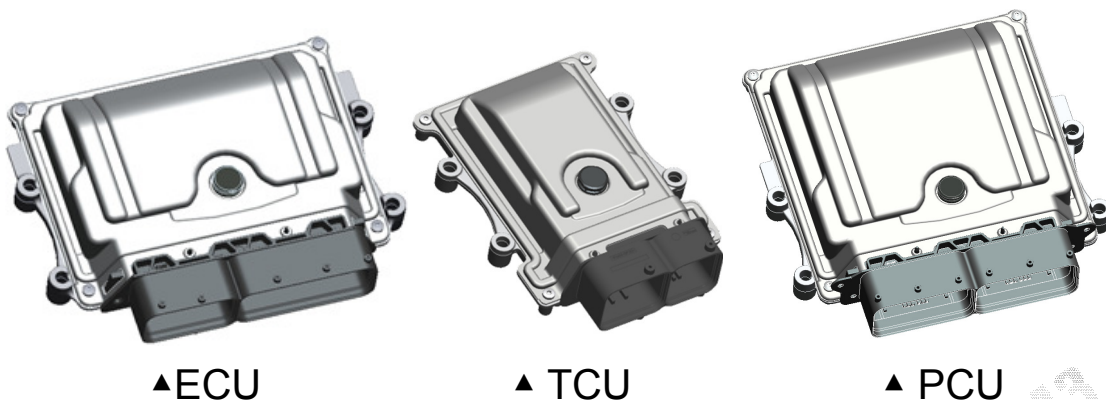


Powertrain Control Unit



▲ ECU

▲ TCU

▲ PCU

Description / Function

The Control Unit receives input signals by various sensors which contain engine & transmission status and driver's will to accelerate or decelerate. Based on these information, the control unit drives actuators by calculation to match the best driving conditions and environmental restrictions.

Customer Benefits

- Precise control by using 32 bit high performance microcontroller
- Identical hardware platform design which makes expandability easy
- Weight reduction using newly developed mechanical parts

Technical Information

- Newly developed complex power semiconductor
- Dual Injection applied
- Three H-Bridges can drive actuators such as ETC, EWGA, EEGR, VCM concurrently
- Heating current feedback function applied on binary oxygen sensors
- Various Inhibitor S/W which makes S/W expandability flexible
- Middle phase CVVT(Continuously variable valve timing) control