

Standard ECUs

APAGCoSyst designs and manufactures custom electronic control units for automotive applications. We use existing platforms with existing basic software that can be quickly and efficiently adapted for a broad spectrum of applications.

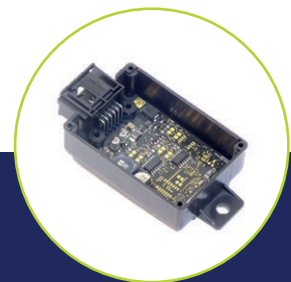
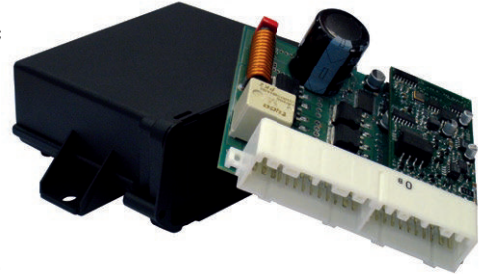
Our platforms provide a variety of inputs and outputs which comply with the standards of the automobile industry. Input channels can be adapted to 12V and 5V applications, and to digital and analog signals.

Different output stages can be provided such as B6 bridges, H-bridges, half-bridges, and high and Low Side switches. Multiple CAN and LIN interfaces are available to communicate with other ECUs in the vehicle network.

The platforms are automotive qualified. Housing and connectors are designed for use in the vehicle. The platforms can be used for rapid embedded control prototyping and for series applications.

Such an “off the shelf” solution enables concentrating on application software. The associated software package provides the drivers for the I/O channels and the bus systems in addition to an operating system. The application is decoupled from the I/O and can be developed hardware independent. The application software can be developed model-based.

We are, therefore, your ideal partner for a speedy solution for different applications. Today our platforms control custom mechanical, lighting, and other functions in small series, agricultural, and commercial vehicles in the comfort and body feature area.



Specifications

- 2 CAN with Wake Up:
 - HS, LS / FT
- LIN with Wake Up:
 - Master or slave
- Input Digital port:
 - 5V / 12 V / High Active / Low Active
 - PWM Capture
 - Current Interface
- Analog input:
 - 5V / 12 V
- Output:
 - B6 Bridge for brushless motors
 - H-Bridge for DC motors
 - Half bridges
 - High/low side switches
 - Sensor supply
- Quiescent current: <100 μ A
- Operating temperature: - 40...90°C
- Supply voltage range: 6-30V, typical 8-16V