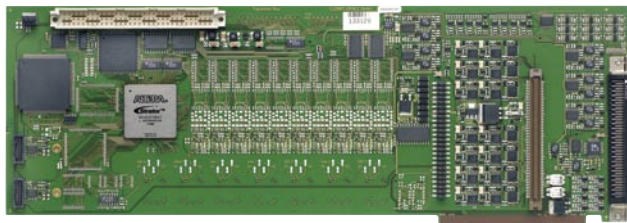


DS2202: Tailor-Made Functions

dSPACE has a new, specially designed board for hardware-in-the-loop (HIL) simulation of transmission and body electronics: the DS2202 HIL I/O Board. Combined with a processor board, it gives users their own tailor-made dSPACE Simulator.

The cost-effective DS2202 can be installed with a processor board (DS1005 or DS1006) in either dSPACE Simulator or an expansion box for a PC, and also extended by additional boards. Its integrated signal conditioning means an electronic control unit (ECU) can be connected to it directly. Up to now, this was only possible with the DS2211 HIL I/O Board. The two cards are pin-compatible, so the DS2202 can easily be installed in a dSPACE Simulator Mid-Size.



▲ The new DS2202 HIL I/O Board for specific HIL simulations.

- New DS2202 HIL I/O Board
- Specially designed for transmission and body electronic applications
- Software support from Release 5.0

The DS2202 has the following features:

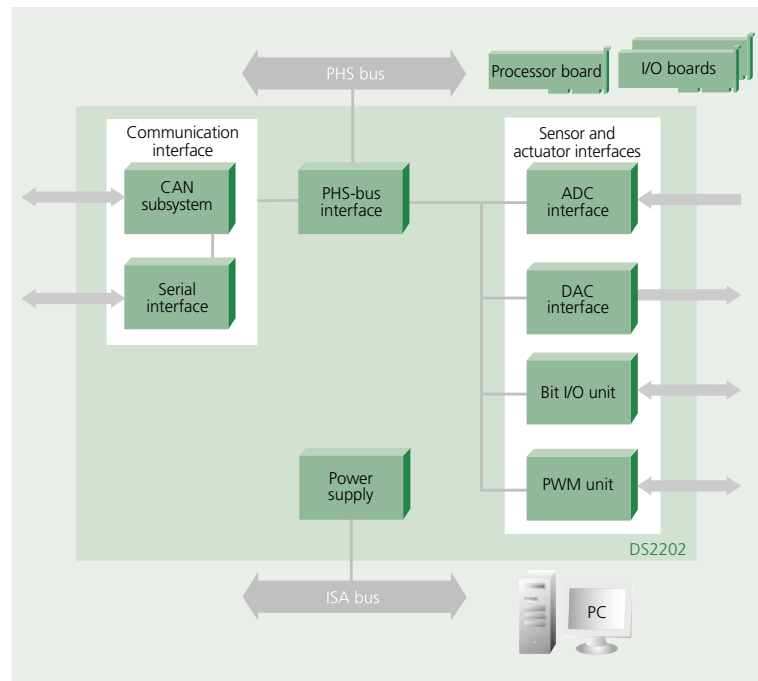
- 20 analog outputs
- 16 analog inputs
- 16 digital outputs
- 38 digital inputs, 24 of which can also be used as PWM inputs
- 9 PWM outputs
- 2 CAN channels
- Serial Interface (RS232/RS422)

The DS2202 can be used in the following areas:

- Transmission applications
- Body electronics (seat adjustment, automatic door lock, vehicle access check, mirror adjustment, etc.)

In the development process, the DS2202 is used from function tests through to release tests. It also serves as an extension to the existing inputs and outputs of dSPACE simulators.

The Real-Time Interface (RTI) software is used to assign the channels on the board to those on the ECU. dSPACE Release 5.0 already provides extensive software support for the DS2202.



▲ The block diagram of the DS2202.