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The Wayback Machine - https://web.archive.org/web/20081116141954/http://www.dspaceinc.com/ww/en/inc/home/products/hw/modular_hardware_introduction/i_o_boards/mil_std.cfm?…

DS4401 MIL-STD-1553 Interface Board

DS4330 LIN Interface Board **DS4505 FlexRay Interface Board**

For control development and hardware-in-the-loop simulation in avionics

- Provides the connection between the MIL-STD-1553 serial bus and dSPACE systems
- Integrated MIL-STD-1553 controller DDC BU-61580
- Supports dual-redundant data busses
- C functions for controlling the DS4401, including creating, reading, and updating MIL-STD-1553 messages



Application Areas

In avionic applications such as aircraft or satellites, MIL-STD-1553 is the preferred standard for medium-speed data communication. The DS4401 provides the link between the MIL-STD-1553 serial bus and dSPACE's PHS bus. dSPACE systems are the ideal environment for rapid control prototyping and hardware-in-the-loop simulation in this field.

Key Benefits

The DS4401 supports dual-redundant data busses, which can be either directly coupled or transformer-coupled. The integrated MIL-STD-1553 controller gives you the greatest possible flexibility. Depending on your application, you can configure the controller to act either as a remote terminal or as a bus controller. A slave DSP handles all data exchange with the processor board, resulting in faster communication.

Supported Standards

The DS4401 MIL-STD-1553 Interface Board supports a variety of standards:

- MIL-STD-1553
- STANAG 3838 AVS
- DEF-STAN 00-18
- Air-Std 50/2

Download: DS4401_MIL-STD-1553_Interface_Board_dSPACE_Catalog_2008.pdf (English, 235 KB)

DS4330 LIN Interface Board **DS4505 FlexRay Interface Board**

Basic Information

Modular Hardware
Powerful platform for all requirements in the fields of function prototyping and ECU testing. Based on processor boards and I/O boards that can be extended as required.

Contact Information

Request Information
Order Product Information

Contact
You can find all the information on contacting dSPACE here.

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