

ABE V3.0

by Software Development Alternatives

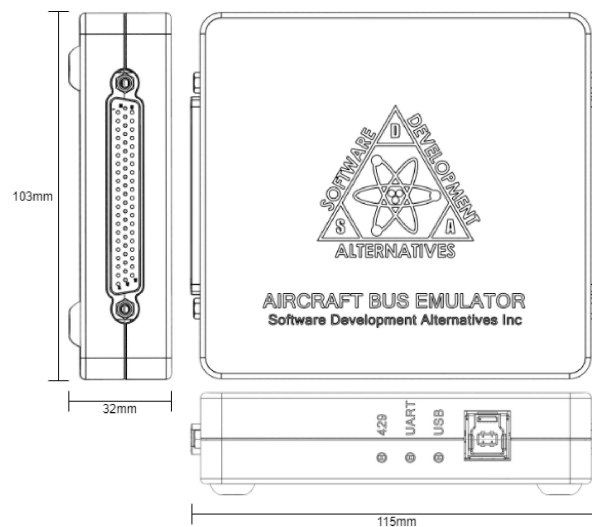


The ABE (Aircraft Bus Emulator) V3.0 by Software Development Alternatives is a line of products that allow a PC to communicate over aircraft specific busses. ABEs can be used for simulation purposes and for monitoring purposes.

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How does it work?

The ABE connects to a workstation via USB, granting the workstation an interface to the ABE's buses. Through this interface, the workstation can transmit and receive ARINC 429 words, read and write discrete values, and interact with any other ports on the connected ABE.



Features

Each ABE V3.0 device provides the following connections to potential aircraft communication busses:

- 8 ARINC 429 Transmit Ports
- 16 ARINC 429 Receive Ports
- 12 ARINC Input Discretes
- 12 ARINC Output Discretes
- 8 Configurable Serial ports (RS 422, 485, 232)

Connectors

Each ABE V3.0 device provides the following hardware connectors:

- 2 identical 62-pin high density female D-sub connectors.
 - These connectors are used for discrete, serial, and ARINC 429 output/input.
 - Typically, one connector is used for ARINC 429 transmit/receive while the other is used for serial and discrete transmit/receive.
- USB Type-B for PC connection and to supply power.