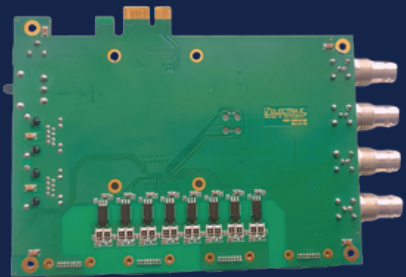


## AVIONICS INTERFACE CONVERTER



The Avionics Interface Converter is a versatile interface card designed for testing avionics interfaces. It supports MIL-STD-1553 and ARINC-664 communication protocols. This board facilitates the integration and data communication of avionics systems, offering the high reliability of the 1553 bus and the fast data transmission of the A664 Ethernet-based protocol.

The card is developed to enable seamless communication with critical avionics devices used in aircraft platforms. Its modular design allows it to be easily customized for both military and commercial aviation applications.

### Applications

- Avionics Systems Integration
- Aircraft Flight Control Systems
- Aircraft Data Distribution Systems

## Features

- Modular Design
- Dual Redundant MIL-STD-1553
  - Bus Interface
    - *Simultaneously configurable BC, RT, BM Modes*
- Two ARINC664 Ethernet Ports
  - *32 VL support*
  - *Adjustable BAG*
  - *Dual redundancy*
  - *Integrity check*
  - *10/100/1000 Mbps*
- PCIe x1 lane Gen 2.0 Interface
- Two RS485 Full Duplex Interface
- 28V Discrete Input/Output: isolated, 50mA current per channel
- JTAG Tag-Connect
- High-Level C SDK for Windows®, Linux® and VxWorks®
- Optional mechanical case

## Technical Specs

- Air Cooled Board
- 12V DC Power Supply
- Redundant Power Input between PCIe Host and External Power Supply
- On/Off Switch
- 111.15 mm x 144.00 mm Small Form Factor
- -40°C & +85°C Operating Temperature
- RoHS Compliance

