

4-Channel 400Mbps IEEE 1394b Interface Card



Applications

- High-speed avionics data acquisition
- Flight test data recording
- Flight test instrumentation

Features

- For use in TTC's AIM and HS-AVDAU Products
- Four independent IEEE 1394b (FireWire) interfaces
- Each interface capable of 400 Mbps bitrate
- Each interface provided on a separate D-subminiature 9-pin connector
- Adheres to IEEE 1394b standards (w/custom ruggedized connectors)
- Interfaces to customized 66Mhz- 64bit CompactPCI® bus interface
- FireWire link controllers are OHCI 1.1 compliant
- FireWire interfaces transformer coupled to line
- Full-speed operation with high-speed FireWire cable lengths up to 40 ft
- Multiple BIM-394Q cards can operate simultaneously in a single chassis
- 3.3 VDC operation

Description

The BIM-394Q board is designed to fulfill the role of providing a Quad IEEE 1394b interface card for use in TTC's High-Speed Avionics Data Acquisition Unit (HS-AVDAU) product. The BIM-394Q can also operate in the TTC Airborne Instrumentation Multiplexer (AIM). The BIM-394Q board provides four independent IEEE 1394b compliant interfaces each capable of data rates up to 400 Mbps. The four 1394b interfaces are accessible at the BIM-394Q faceplate via four identical D-subminiature 9-pin receptacles. Each connector corresponds to a single 1394b interface. The 1394b interface ports provide LEAF functionality. Data acquired by the BIM-394Q card is transported to the overhead card memory via a customized high-speed CompactPCI® bus where the data can then be cherry-picked or stored on a data recorder. One or more BIM-394Q boards can simultaneously reside in the HS-AVDAU chassis.

Revision 06/21/2010

BIM-394Q Datasheet

©2010 Teletronics Technology Corporation
 Specifications subject to change without notice.



Teletronics Technology Corporation
 15 Terry Drive, Newtown, PA 18940
 phone: 267.352.2020 fax: 267.352.2021 Sales@ttcdas.com

www.ttcdas.com