

## Two-Channel FAAD Bus Monitor Module



### Applications

- Flight test instrumentation
- Air vehicle test, certification or development
- Ethernet-based distributed network systems
- System safety monitoring

### Features

- Plug-in Forward Area Air Defense (FAAD) data acquisition module for the MnHSD-2000-1 product
- Supports IEEE 1588 for acquisition of coherent global timing information over the network fabric
- Variable data rate up to 32 Kilobits per second (Kbps) for Enhanced Position Location Reporting System (EPLRS) and up to 64 Kbps for Joint Tactical Information Distribution System (JTIDS)
- Baud rate 2.4 Kbps up to 1.024 Mbps
- Multiple MFAD-501B-1 modules can operate simultaneously in a single MnHSD-2000-1 stack
- Fully programmable using TTCWare™ management and configuration system

### Description

The MFAD-501B-1 is a plug-in FAAD system data acquisition module for the TTC MnHSD-2000-1 Miniature Network High-Speed Data Acquisition Unit. The module accepts two channels of FAAD data and supports serial communications based on the FAAD Data Link Technical Interface Design Plan at a maximum baud rate of 1.024 Mbps. IEEE 1588 timestamping is provided on a per-data-packet basis.

The captured data is available on the host encoder's output stream for transmission and recording purposes.

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### MFAD-501B-1 Datasheet

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