

## Miniature Network-Based MIL-STD-1553 Acquisition Unit with IEEE 1588 Time Support



### Applications

- Network-based data acquisition system
- Airborne instrumentation system

### Features

- Network-based MIL-STD-1553 data acquisition and encoding unit
- Provides acquisition of MIL-STD-1553 data for transport over 10/100BASE-T Network
  - acquires up to 8 MIL-STD-1553 buses (one bus per module)
  - accepts up to 8 MIL-STD-1553 acquisition modules
  - each MIL-STD-1553 message is timestamped
  - 100% of MIL-STD-1553 data is acquired
- Acquired MIL-STD-1553 data message is packetized and transported over the network
- Acquires time in accordance with IEEE 1588 from the network
- Includes 64 Mbytes of Flash for future implementation of web pages
- SNMP capable for statistics and background health status
- Extremely small installation footprint

### Description

The miniature MIL-STD-1553 data acquisition unit provides acquired data to a network-based system for recording, transmission, and monitoring purposes. It accepts one to eight MIL-STD-1553 acquisition modules (MBIM-553B-1), timestamps acquired messages based on IEEE 1588 time, and packetizes data for transportation over the network. The unit includes a Fast Ethernet (10/100BASE-T) interface fully compatible with IEEE 1588 to accept the grandmaster clock from the network.

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### Mn553-2000 Datasheet

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