# MIL-STD-1553 Remote Terminal Module w/Data Acquisition



## Applications

- Combined 1553/Data Acquisition
- System health monitoring
- Data acquisition systems

## Features

- MIL-STD-1553 Remote Terminal (RT)
- Transmits acquired PCM instrumentation data to 1553 bus controller
  - Data is acquired/encoded by the host MEDAU/MCDAU-2000
  - Handles all data types including analog, digital, and avionics
  - Buffers up to 960 data words for transfer over the 1553 bus
  - 30 Sub Addresses at 32 words per SA
- As a 1553 RT module:
  - Responds to valid commands received from the bus controller
  - Transmits buffered memory in response to bus controller query
  - Provides status in response to bus controller query
- Supports RS-232 monitoring of acquired 1553 messages & status
- Provides continuous error checking & built-in test
- Multiple modules in a single stack
- Configurable to operate with analog conditioning modules in same stack
- Microsoft Windows application software included

## Description

The MBRT-553M is a MIL-STD-1553 Remote Terminal (RT) module for use in TTC's MEDAU-2000 or MCDAU-2000 series products. As an RT, the MBRT-553 responds to valid commands received from the bus controller. In addition, instrumentation data acquired by the host stack is available for transmission to the bus controller. The module performs word/message validation and extensive Built In Test (BIT), the results of which are available over the 1553 bus to the bus controller, or via the host stack's RS-232 programming port.

CAIS Compatible

DEKRA Certified
Accredited by ANAB

**Management System AS9100C ISO 9001:2008**

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**MBRT-553M Datasheet**

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