ITT

Ground Facility Recording System (GFRS)

A distributed multiprocessor VME-based instrumentation system designed for use in laboratories.

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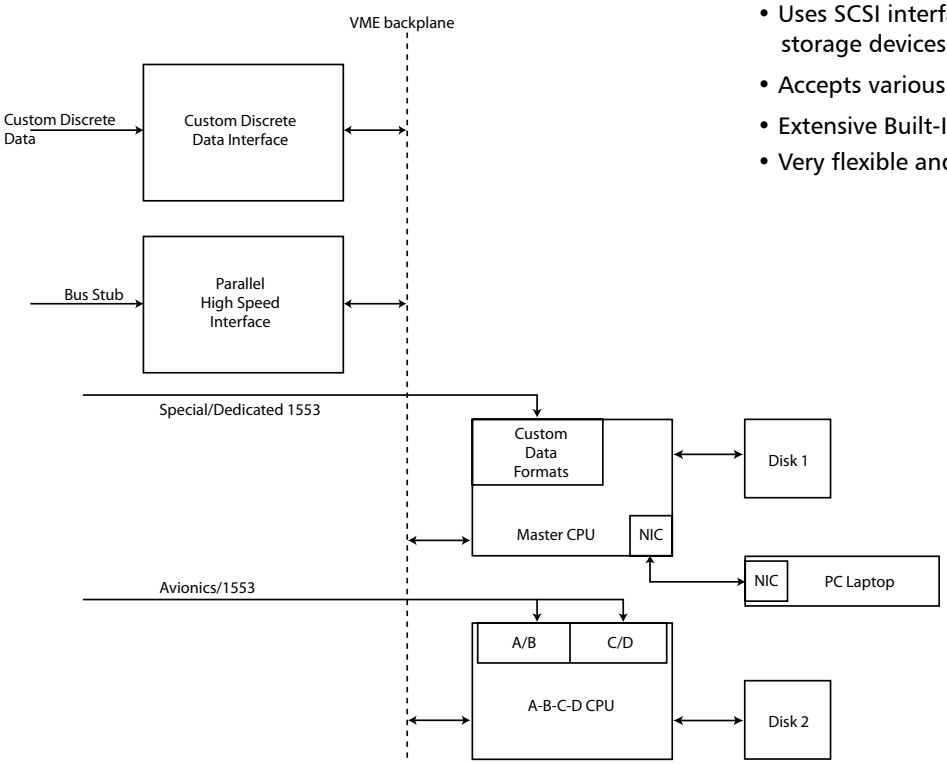
ITT's Ground Facility Recording System (GFRS) is a distributed multiprocessor VME-based instrumentation system designed for use in laboratories. The VME architecture provided us with the flexibility and extensibility required to collect operator definable data from a variety of data sources simultaneously. The data collected by the GFRS is completely operator definable.The GFRS is remotely controlled via a custom Microsoft Windows® application. The GFRS incorporates standard VME-based Commercial-Off-The-Shelf (COTS) and custom designed circuit cards to route and manipulate data. Collected data is stored on SCSI recordable devices (e.g. hard drive, CDR, CDRW).

Features

- Modular 6U VME architecture
- Uses commercial quality (Non MIL-SPEC) products in GFRS construction
- Power PC processors and Vx-Works operating system
- Custom Windows application, running on external PC, remotely controls GFRS operation
- Operator selects data parameters to record
- Simultaneous recording of multiple MIL-STD-1553 buses
- Uses SCSI interface to route collected data to multiple SCSI storage devices
- Accepts various IRIG modulated inputs
- Extensive Built-In-Test (BIT) and self diagnostics
- Very flexible and expandable design



Ground Facility Recording System Block Diagram

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