SITAL Technology

World's Fastest Wiring Fault Detection Products

GRIP2™

Handy MIL-STD-1553 Bus Tester

Grip2™ is a new and innovative tool for developing, testing and analyzing avionic networks and its units. In addition to traditional testing functionalities such as simulating and monitoring Mil-Std-1553 busses, Grip2 is introducing a unique capability of detecting and reporting physical layer faults.

As part of Sital's fastest wiring fault detection products, Grip2 can spot wire shorts, disconnections and bad terminations in real time.

Grip2's easy-to-use graphical user interface is coupled with fast and light weight hardware. Grip2 provides a versatile solution for a wide range of users for avionics bus designers, R&D engineers, units and aircraft manufacturers, system integrators and more.

Specifications

Size
- Length 100 mm
- Diameter 30 mm

Compatibility
- MIL-STD-1553B Notice 2
- USB 2.0, 480Mbps
- Dual Redundant Mil-Std-1553 channel

Host Requirements
- USB 2.0 interface
- Operating system
  - Windows 7, 8, 8.1
  - Supporting 32Bits and 64Bits
- 1 GB of RAM

Power
- Uses USB's 5Vdc power up to 0.5 Amp

Software Support
- Shared Library - DLL
- ***COMposer***™ - Graphical interface for 1553 traffic generation and analysis
  Both Simulator and Monitor included

Available Configurations
- Mil-Std-1553 Dual-Redundant channel

More 1553 Products from Sital
- *MIL-STD-1553 IP Cores for FPGAs*
- *MIL-STD-1553 Components*
- *MIL-STD-1553 Boards*

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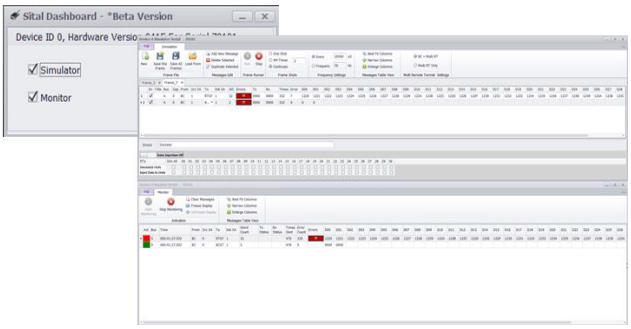
COMposer™ -
Software for Mil-Std-1553 Test and Analysis

COMposer™ includes Simulator and Monitor - user-friendly, intuitive software tools for traffic generation, monitoring and analysis of Mil-Std-1553 and other protocols.

The Monitor can monitor messages, frames and errors and analyze the status of each unit and frame on the bus. It provides triggers and filters for monitoring and displaying of recorded data.



The Simulator manages and simulates all traffic on the bus. Handling a large number of Mil-Std-1553 frames. It can simulate 1553 RTs, thus enabling the user to test the full Interconnect Control Document (ICD) without having to physically connect all LRUs. The user can easily select which units are to be simulated and which units are real.

Key Features and Benefits:

- Easily creates messages and frames
- Simulates Bus Controller and up to 31 Remote Terminals
- Programs error injection: Parity, Bi Phase, Sync and Zero Crossing
- Defines the amount and rate of the frames to be transmitted
- Monitors and records in real-time, all bus activity or selected messages
- Tracks messages errors
- Facilitates creation of your own application using Sital's DLL functions
- Facilitates data incrimination to provide solid and predictable output data for testing purposes
- Detects wiring issues including shorts, disconnections and bad terminations

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Sital Technology - Creating the world's fastest wiring fault detection products

Sital Technology provides cutting edge technology in the communication busses physical layer area. Our products suite and expertise serves the Avionics, Aerospace and Automotive industries. Sital embeds its vast experience and proficiency in its products which include Mil-Std-1553 and other specialty avionics IP cores, components, boards and testers, as well as CAN bus devices and applications.
The company focuses on physical layer wiring fault detection as well as in troubled busses healing.
Sital's customer list includes leading military and commercial organizations throughout the world among them: NASA, Boeing, Lockheed-Martin, Honeywell, Raytheon, General Motors, British Aerospace, Orbital Science, Thales, ECIL(India), Aselsan, Elbit, Rafael and IAI.