GRIP 4

Handy EBR 1553 Bus Tester

GRIP4 is a new and innovative tool for developing, testing and analyzing avionic networks and its units. The GRIP 4 packs 12 RS485 lines which can be leverage for standard RS485 communication or Enhanced Bit Rate (EBR) 1553 with up to 10Mbit/s MIL-STD-1553 point to multipoint communication.

The Grip4 with it multiple IO points enables for rapid testing of multiple end points simultaneously and also for RT programming.

Grip4's easy-to-use graphical user interface is coupled with fast and light weight hardware. Grip4 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
- 110 x 40 x 25mm

Host Requirements
- USB 2.0 Interface
- Operating systems
  - Windows 7/10– 32 & 64Bits

Power
- Uses USB 5Vdc power

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

Available Configurations
- 12 x EBR 1553 RS 485 channels
- 12 x RS 485 only

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

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More information available at **www.sitaltech.com**
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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

About Us

Sital Technology provides world-class products and expertise for communication bus applications in the avionics, aerospace and automotive industries. Sital embeds its vast experience and proficiency in its products which include Mil-Std-1553 and other avionics IP cores, components, boards and testers, as well as CAN bus devices and applications. With its highly-experienced staff of experts, the company's Projects Division undertakes design, integration and turn-key engagements on behalf of the world's leading commercial and military avionics companies, space agencies, and automobile designers and manufacturers. Sital's bus technologies and expertise improve robustness and efficiency as they lower cost, space and resource utilization.

Sital's formidable customer list includes leading military and commercial organizations throughout the world among them: NASA, Boeing, Lockheed-Martin, Honeywell, BAE Orbital Science, Thales, ECIL(India), Aselsan, Elbit, and IAI.

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