

Gtools

Our Gtools suite of productivity tools is a customer inspired collection of industry leading capabilities addressing a variety of user requirements. The breadth of capabilities in one low cost all inclusive package is unprecedented.

Gtools - Goebelyzer

We have developed decoding capabilities for a multitude of avionics interfaces in our Goebelyzer bus analyzer. Data is displayed in engineering units based on ICD definitions. We have ICD import tools from various CSV and XML formats (SKIFF, SLATE, SMART) for multiple programs. Our decode capabilities are advanced to the point where our tools are routinely employed to decode NTAR capture files from other vendors. Once imported, the same capabilities for export to text, CSV, XML, NTAR plots or PCAP formats are provided. Unlike some competing analyzers, data is displayed during capture. In addition, live displays of user specified data items can be generated via simple mouse clicks from ICD definitions.

Gtools – Mkbuss

Generation of bus traffic has never been easier than with our Mkbuss GUI. A few mouse clicks are all that is needed to define a data set for transmission to our wide array of supported busses. Bus definitions can be imported from ICDs or generated on the fly. Operations such as frame counts, or data functions are easily inserted.

Gtools – Control panel

Our Arinc 664 card can be configured and controlled from an extensive API, or from an A664 control panel. With the control panel, VLs and Ports can be viewed for activity, errors, and bandwidth. A664 control consists of VL and Port stop, start, redundancy, and integrity control for a companion simulation application. This eliminates the requirement for GUI control from the application.

Gtools – Scripting

One of the most powerful tools in the Gtools productivity suite is the scripting capability. With simple script files, one can generate A664, P2P or Mil 1553 traffic utilizing the advanced data generation and error injection capabilities of the API. Apply a sine wave to a data element or stop a frame counter for one frame, are examples of capabilities accomplished with simple script files. Now we are making these capabilities accessible with a mouse click in our Mkbuss tool. No other vendor provides the power of our data generation capabilities in any form, while we provide these capabilities via API, scripting, and now in GUI form.

