

Debugging Tools

Online tools for efficient development

COPA-DATA supplies powerful tools for simulation, online debugging and development of applications according to the IEC 61131-3 standard.



SIMULATION AND CONNECTED MODE

Download and control remote applications via Ethernet or serial link. During single-step debugging, explore the current call stack and the list of set breakpoints.

IN DEBUGGING MODE

Various debugging features are available such as the single-step mode, breakpoints, forcing of variables, cycle-to-cycle mode. straton also enables you to write test scripts (sequences) to be run automatically in order to simplify non-regression tests. Recipes (collections of values) can be designed to replicate and rapidly force the process in a test situation.

SOFT SCOPE

An integrated oscilloscope using a real-time high-speed protocol over Ethernet can be configured to monitor key variables of the application and provide detailed debugging information with real-time precision.

ANIMATED GRAPHICS

The straton® Integrated Development Environment enables users to create graphical animated pages in simulation or connected mode. The basic functions of graphics creation are supported: buttons, bar graphs, images, text, trend and curves. Access to real-time information is possible during simulation and in connected mode. The human machine interfaces constructed with the editor can be displayed in browsers, using the HTML5 technology.

TEST SEQUENCES

Full test sequences (scripts) can be edited in the editor and run during simulation or In Line debugging. Sequences can be chained for an integrated test plan.

ON LINE CHANGE

straton enables the changing of an application in the runtime on the fly, without stopping and restarting it. This feature brings high efficiency and flexibility during tests and commissioning.

FAST FACTS

- ▶ Integrated simulation
- ▶ Remote connection through TCP/IP , RS232, RS485, CAN
- ▶ Breakpoints and single step
- ▶ Automated non-regression tests