

iC5700 On-chip Analyzer

The iC5700 is a single hardware platform supporting many different processors and microcontrollers. Comparing to iC5000 it features fast USB 3.0 communication port and an increased trace storage buffer which often make possible infinite trace, profiler and coverage sessions.

From the debug technology perspective, it supports:

- On-chip debug emulation including on-chip trace buffers through architecture specific cable adapters
- On-chip debug emulation including Nexus/ETM support or other message based trace protocols through architecture specific cable adapters



The tool is simply adjusted for a specific MCU via a low cost architecture specific cable adapter and a software license.

All iSYSTEM tools are driven with winIDEA/testIDEA, an integrated development environment from iSYSTEM, running on Windows platforms or Eclipse.

In addition, the iC5700 is also a perfect test tool. The optional Analog/Digital I/O Add-On module adds the capability to generate, monitor and trace analog as well as digital signals. Another, also optional, CAN/LIN Bus Add-On Module provides by connecting to the CAN/LIN interfaces in the microcontroller surrounding, the possibility to trace and analyze CAN/LIN messages. The CAN/LIN messages can be traced individually or in correlation with the application program trace typically provided already by the blue box as a debug and test tool. As such, the iC5700 may also find a perfect fit in HIL (hardware in the loop) setups.

Furthermore, the Analog/Digital I/O add-On module allows measuring the power consumption of your target hardware which then winIDEA can show correlated to the executed program with accuracy down to a function level.

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