



Total Tool Solutions for ARM Cortex-M, -R, -A

iSYSTEM ARM Cortex tools from non-commercial/educational to high-end

iSYSTEM specializes in embedded development and test tools, by providing debugger and analyzer solutions for a wide range of ARM Cortex microcontrollers. The Windows and/or Eclipse based development environment (winIDEA) is easy to learn and use. Flexible integration and application of iSYSTEM solutions within the entire development process is enabled by open and public interfaces (APIs).

Testing is gaining more and more importance in the embedded world. iSYSTEM provides a real-time test tool (testIDEA) integrated in iSYSTEM's development environment winIDEA that allows execution of test cases without code instrumentation.

Tool packages:

- iTAG.ZERO - Do it yourself tool kit (build instructions on the web www.isystem.com/itag)
- iTAG.FIFTY - Complete Development Platform under 50€ with no code size restrictions and GNU compiler included
- iTAG.1K - iTAG.FIFTY software upgrade including full technical support
- iTAG.2K - Cortex-M debug and trace platform
- iC5000 - Multi architecture debug and analyzer platform

Benefits:

- Complete Cortex Development Platform
- GNU toolchain included
- Includes unit test tool testIDEA
- FreeRTOS™ support



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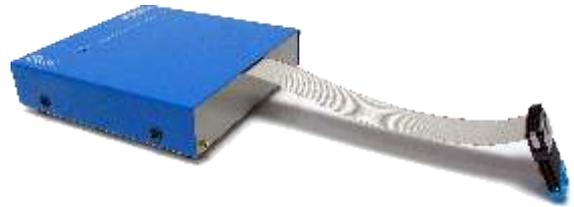
 embedded.typepad.com



Total Cortex Tool Solutions

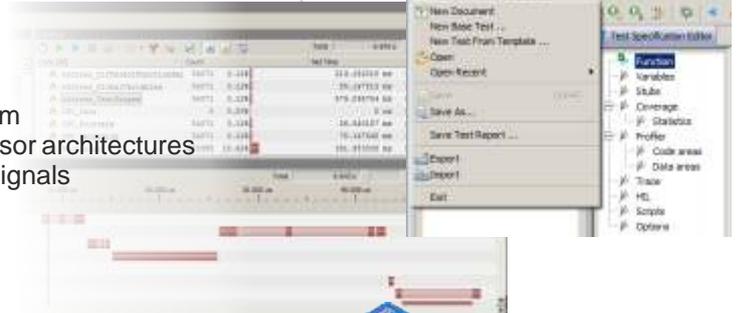
iTAG.2K

- Cortex-M on-chip debug and trace platform
- Debug
 - ↳ SWD and JTAG
 - ↳ 1.8V, 3.3V and 5V Target I/O Voltage
- Trace
 - ↳ SWV (asynchronous and synchronous)
 - ↳ ITM, HTM, DWT and ETM (8-Bit) support
 - ↳ 256MB Trace Memory – endless trace with upload while sampling
- Code Coverage
 - ↳ Statement, decision, MC/DC
 - ↳ Function and call coverage
- Profiler



iC5000

- Multi architecture on-chip debug and analyzer platform
 - ↳ Adapts through software licenses to various processor architectures
 - ↳ I/O module to drive and monitor analog and digital signals
- Debug
 - ↳ SWD and JTAG
 - ↳ 1.8V, 3.3V and 5V Target I/O Voltage
- Trace
 - ↳ 10ns Timestamp
 - ↳ SWV (asynchronous and synchronous)
 - ↳ ITM, HTM, DWT and ETM (16-Bit) support
 - ↳ 256MB Trace Memory – endless trace with upload while sampling
- Code Coverage
 - ↳ Statement, decision, MC/DC
 - ↳ Function and call coverage
- Profiler



Tool solution overview

	iTAG.ZERO / iTAG.FIFTY	iTAG.1K (SW upgrade for iTAG.FIFTY)	iTAG.2K	iC5000
Supported MCUs	Cortex-M	Cortex-M	Cortex-M	All
Target I/O Vcc	3.3V	3.3V	1.8V, 3.3V, 5V	1.8V, 3.3V, 5V
Debug i/f	JTAG/SWD	JTAG/SWD	JTAG/SWD	All
Trace i/f	SWV	SWV	8-bit ETM	16-bit ETM, Nexus
Host interface	USB2.0-FS	USB2.0-FS	USB2.0-HS	USB2.0-HS/Ethernet
SW Dev. Platform	winIDEA for iTAG	winIDEA	winIDEA	winIDEA
Support	No	Yes (1Year)	Yes (1Year)	Yes (1Year)
Compiler	GCC	All	All	All