Enabling Safer Embedded Systems

iC5700 BlueBox™ On-Chip Analyzer

The latest addition to iSYSTEM's premium range of BlueBox™ development tools, the iC5700 delivers unique insights into your embedded application. As well as supporting traditional debugging and trace, an additional connector (FNET, located at the front panel of the BlueBox™) allows the connection of various accessories to broaden the range of data collected.

This provides the developer the chance to perform in-depth timing analysis of complex applications, studying the relationship between real-time operating tasks and, for example, CAN network data transfers, or other types of serial bus transaction. Finally, the latest generation of high-bandwidth trace interfaces from single- to multi-core microcontroller are supported.

Feature	Information
Debug Signal Range	1.8V to 5.5V DC
Supply Voltage	10.0V to 24.0V DC
Dimensions	155 x 155 x 65 mm
Weight	0.8 kg
Host Interfaces	USB 3.0, 10/100 Ethernet
Accessories Interfaces	FNET 10Gbps
Supported Processor Architectures	Infineon AURIX, NXP, ST Power Architecture Renesas RH850, R-CAR ARM Cortex-M/A/R XILINX Ultrascale+ NXP S32K, S32V234

iC5700 BlueBox™ Accessories

The FNET accessory connector opens up a world of new insights to developers and testers alike.

Active Probes ensure that you'll have the bandwidth required to collect trace data from the next generation of on-chip debug/trace modules for a variety of microcontroller architectures, whilst the CAN/LIN and ADIO accessories can synchronously collect automotive network communications as well as analog and digital signals.

Deeply Integrated Software

All the hardware in the world is of no use if there is no software. iSYSTEM provides a full development IDE with winIDEA. Regardless of whether you are simply debugging, concerned with integration, or are responsible for timing analysis, winIDEA provides the data you need to find the most challenging of issues. For those involved with unit testing, testIDEA is a fully integrated tool providing test reports along with code coverage measurement. Finally, for automated development needs and testing activities, the isystem.connect Software Development Kit (SDK) provides the freedom to push the boundaries on your own terms.