GSAS MICRO SYSTEMS
ISO 9001:2015 CERTIFIED

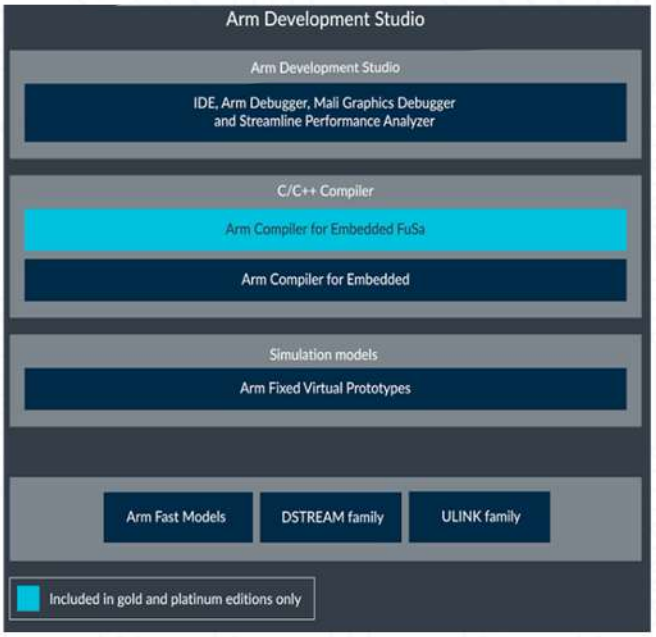
ARM SOFTWARE DEVELOPMENT TOOLS

arm

GSAS Micro Systems Pvt Ltd (GSASMSPL) is the Prime and only Authorised Distributor in India for Arm Software Solutions.

Arm Development Studio

Arm Development Studio supports all types of software development projects from architecture exploration to the development of real-time applications and coding for edge devices. It accelerates system design and software development enabling you to get higher quality products to market faster and cost-effectively.



Designed specifically for Arm architecture, Development Studio is the most comprehensive embedded C/C++ dedicated software development solution with the support of multicore debugging for Cortex-A, Cortex-R, Cortex-M, and Neoverse Arm CPUs. Uniquely it provides the earliest support for all the latest CPUs and interconnects. Primarily the Arm Debugger is used for validation of SoCs through emulation, simulation, FPGA, and silicon bring-up.

KEIL EMBEDDED DEVELOPMENT TOOLS

Keil MDK

The Keil Microcontroller Development Kit (Keil MDK) is the most comprehensive software development solution for Arm Cortex-M based embedded, IoT, and ML edge device applications. With support for over 10,000 different microcontrollers from 38 different silicon vendors available today it is a critical part of many software projects.

As IoT devices get smarter, developers are facing increasing software complexity that requires new development flows.

Keil Studio Desktop, an extension pack for Microsoft Visual Studio Code (VS Code) provides an integrated development environment (IDE) for Cortex-M based microcontrollers.

A CMSIS-based development flow with the CMSIS-Toolbox is a critical element of Keil MDK Version 6. Starting with a device or board selection that configures the complete toolchain including debug, it gives access to reusable software components including various RTOS kernels, device drivers, and middleware.

Enhanced integration of Arm Virtual Hardware (AVH) removes the need to develop on physical silicon and enables test automation of software workloads with precise Cortex-M simulation models.

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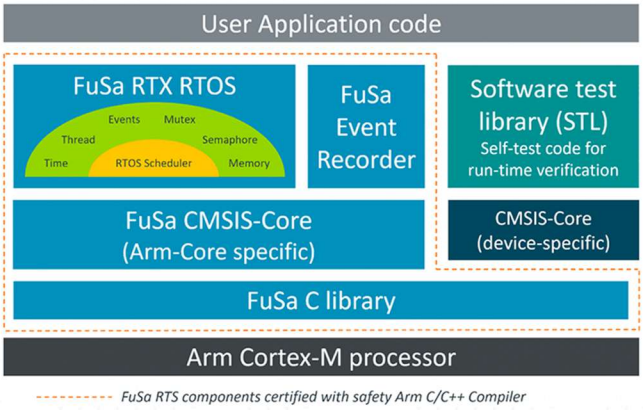

Arm FuSa RTS

Arm FuSa RTS is a set of embedded software components qualified for use in the most safety-critical applications in automotive, medical and industrial systems.

With FuSa RTS, developers receive a robust real-time operating system (RTOS), independent processor abstraction layer and verified C library that are highly optimized for Cortex-M processors by Arm architecture experts.

ARM BASED DEBUGGERS

DSTREAM Family

Second-generation debug and trace probe, enabling debug and widest bandwidth parallel trace up to 19.2Gbs over 32 pins, with an 8GB trace buffer and support for all Arm processors.

Includes real-time dynamic monitoring to automatically adjust trace sampling between clock edges, and system auto-detection with Arm Development Studio.

ULINK Family

Keil ULINK family of Debug Adapters connects your PC's USB port to your target system (via JTAG or similar debug interface) and allows you to debug embedded programs running on target hardware.

All ULINK adapters enable you to:

- ❑ Download programs to your target hardware
- ❑ Examine memory and registers
- ❑ Single-step through programs and insert multiple breakpoints
- ❑ Run programs in real-time
- ❑ Program Flash Memory
- ❑ Connect using JTAG or Serial Wire modes
- ❑ On-the-fly debug of ARM Cortex-M based devices
- ❑ Examine Trace information from ARM Cortex-M3 and Cortex-M4 devices

(Specifications are subject to change without prior notice)

BENGALURU	CHENNAI	DELHI	HYDERABAD	MUMBAI & PUNE	VIZAG & VIJAYAWADA
sales@gsasmspl.com +91 98450 82950	tn@gsasmspl.com +91 98450 19071	delhi@gsasmspl.com +91 98450 55228	ts@gsasmspl.com +91 98450 19029	mh@gsasmspl.com +91 98450 42976	ap@gsasmspl.com +91 98450 25622

GSAS MICRO SYSTEMS PVT. LTD

147/107, 6th Main, Mahalakshmipuram, Bengaluru - 560086
armsales@gsasmspl.com | www.gsasindia.com
Ph: +91 80 23496051/52 +91 80 23499000