

RISC-V Evaluation Kit



www.iar.com/evalkit

Bringing powerful RISC-V solutions to the market

IAR Systems and GigaDevice provide easy-to-use, complete solutions that enables developers to get started quickly.

The RISC-V technology and ecosystem are evolving rapidly, increasing the need for professional development tools. IAR Systems and GigaDevice are responding to this need by bringing IAR Systems' leading compiler and debugger technology to users of GigaDevice's RISC-V-based microcontrollers, balancing processing power with reduced power consumption and a rich peripheral set. The collaboration enables tens of thousands of companies gaining access to powerful, easy-to-use, complete solutions for embedded development based on RISC-V.

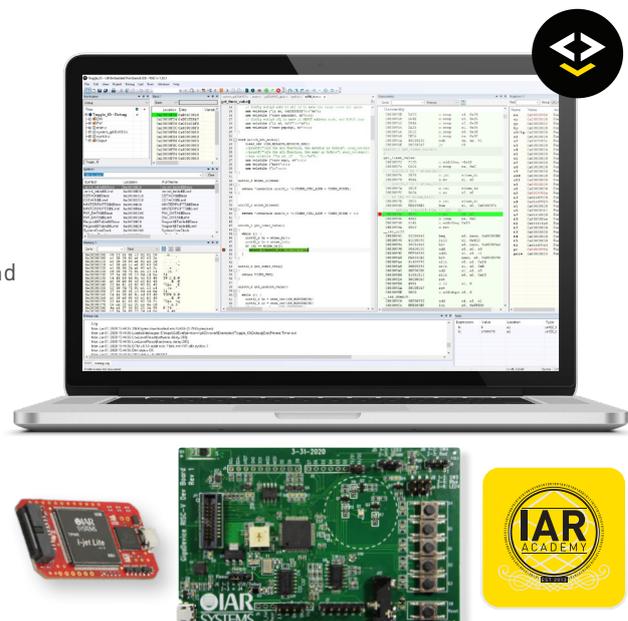
Support for GigaDevice cores is provided in the C/C++ compiler and debugger toolchain IAR Embedded Workbench for RISC-V. The toolchain offers leading code performance for size and speed, as well as extensive debugging functionality with a fully integrated debugger with simulator and hardware debugging support. Since 1983, IAR Systems' solutions have ensured quality, reliability and efficiency in the development of over one million embedded applications. The strong technology offering is accompanied by IAR Systems' renowned technical support and services.

Want to try it out?

For developers who want to try IAR Embedded Workbench for RISC-V and GigaDevice's GD32 microcontrollers, an evaluation kit is available free of charge to companies with commercially viable development projects.

WHAT'S INCLUDED?

- IAR Embedded Workbench for RISC-V, 30-day evaluation license, including the static analysis tool C-STAT
- RISC-V GigaDevice Evaluation Board
- I-jet Lite debug probe
- IAR Academy on-demand course *Introduction to RISC-V Evaluation Kit*, available from the self-learning online portal IAR Academy On Demand



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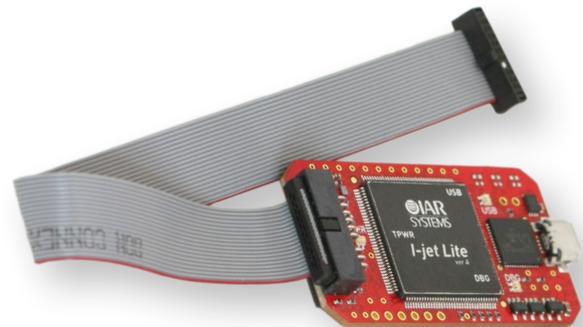
IAR RISC-V GD32V EVAL BOARD

- GD32VF103R8T6 RISC-V GigaDevice
- User LEDs
- User SWs
- 3 Axis Accelerometer
- Potentiometer
- Temperature and Humidity Sensors
- Light Sensor
- Onboard Microphone
- iPhone compatible Earbud Jack
- SPI Flash Memory
- Reset button
- JTAG connector 20 pin 0.05"
- USB micro B connector for USB-Serial converter
- Power up through USB connector or through I-jet Lite (pin 11/13 JTAG connector)



I-JET LITE DEBUG PROBE

- JTAG/SWD /SWO debugging support
- Flash download into supported evaluation boards
- Up to 5V target interface voltage
- MIPI-20 cable and USB micro cable included
- Fully integrated with IAR Embedded Workbench



GigaDevice is a leading fabless company engaged in advanced memory technology and IC solutions. The company was founded in Silicon Valley in 2005 and currently produces a wide range of SPI NOR Flash, SPI NAND Flash, and MCUs for use in embedded, consumer, and mobile communications applications with more than 1 billion units shipped every year. In 2019, GigaDevice launched the world's first RISC-V based general-purpose MCU products.



IAR Systems supplies future-proof software tools and services for embedded development, enabling companies worldwide to create the products of today and the innovations of tomorrow. Since 1983, IAR Systems' solutions have ensured quality, reliability and efficiency in the development of over one million embedded applications. The company is headquartered in Uppsala, Sweden and has sales and support offices all over the world.