STM3240G-SK/IAR

IAR™ starter kit for STM32F4 series 32-bit microcontrollers

Data brief

Features

- The IAR Embedded WorkBench® for ARM (EWARM) software package with:
  - KickStart™ C/C++ compiler for output of code up to 32 Kbytes
  - VisualSTATE® code generator, 20-state version
  - C-SPY® high-level language debugger
  - Editor, linker and librarian tools
- Embedded J-Link in-circuit debugger/ programmer with USB interface to host PC and 20-pin JTAG application interface
- Full-featured KickStart development board with target microcontroller

Description

The IAR KickStart Kit™ is a complete, cost-effective solution for starting application development and evaluating the STMicroelectronics STM32F4-series ARM core-based microcontrollers.

This IAR KickStart Kit contains all the necessary hardware and software and allows you to design, start to develop, integrate and test your applications, right out of the box:

- Evaluation board with STM32F407ZG MCU
- IAR Embedded Workbench for ARM 32K limited edition
- IAR visualSTATE 20-state evaluation edition
- Embedded IAR J-Link Lite debug probe for STMicroelectronics Cortex-M devices
- Example applications made for the STM32F407ZG board
- RTOS board support from IAR Systems RTOS partners

IAR KickStart kits are available for a full range of ST ARM core-based microcontrollers.

Figure 1. Evaluation board

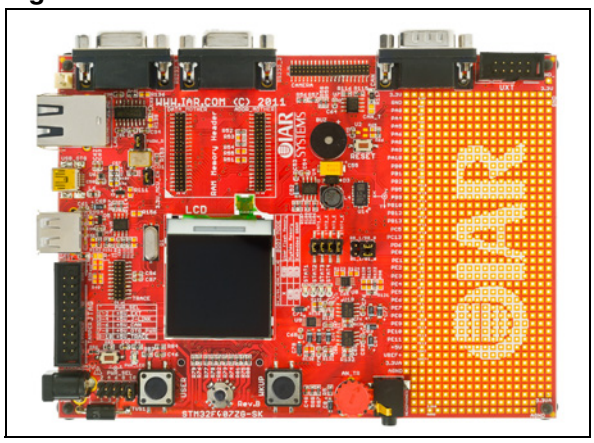
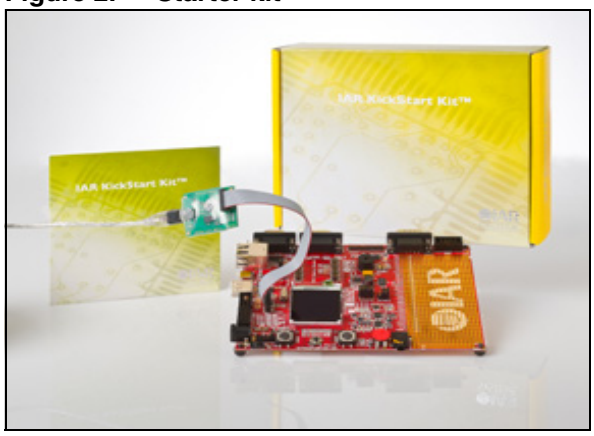


Figure 2. Starter kit



STM32F407ZG evaluation board features

- STM32F407ZG MCU
- Four indicator LEDs
- Joystick
- Audio (headphone jack)
- Separate camera connector
- User and WakeUp buttons
- Small color LCD
- 20-pin 0.1" JTAG/SWD connector
- Small 20-pin 0.05” trace tool connector
- Two USB connectors (full speed only)
  - OTG (On-The-Go)
  - Host
- Two USART - DB9 connectors
- CAN - DB9 connector
- Ethernet
- UEXT (Universal expansion connector)
- SD/MMC card slot
- Multiple power supply options:
  - J-Link
  - USB OTG
  - CAN
  - External supply
  - Trace connector
- Power supply LED
- Reset button and circuit
- Temperature sensor
- 3-axis accelerometer
- Prototyping area
- Tamper button
- External RAM memory headers

Ordering information

IAR KickStart kits can be ordered from IAR or from your nearest ST distributor or sales office (ST order code: **STM3240G-SK/IAR)**.

For more information and complete documentation, please refer to the IAR web site or the STMicroelectronics microcontroller support site on *www.st.com*.

Revision history

Table 1. Document revision history

Date	Revision	Changes
24-Nov-2011	1	Initial release.

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