

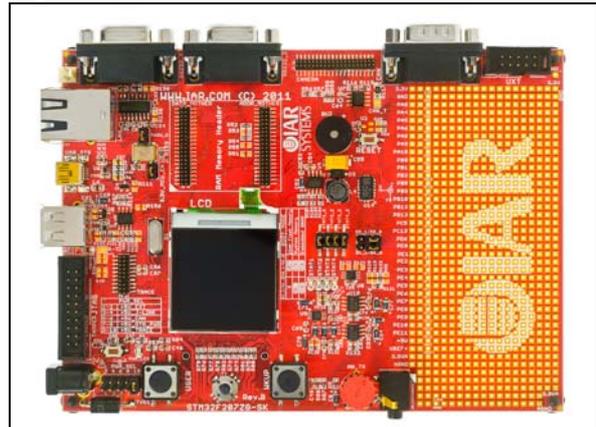
## IAR™ starter kit for STM32 F-2 series 32-bit microcontrollers

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

Figure 1. Evaluation board



### Description

The IAR KickStart Kit™ is a complete, cost-effective solution for starting application development and evaluating the STMicroelectronics STM32 F2-series ARM core-based microcontrollers.

IAR KickStart Kit for STM32 F-2 series 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 STM32F207ZG 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 STM32F207ZG 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 2. Starter kit



### STM32F207ZG evaluation board features

- STM32F207ZG 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: **STM3220G-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](http://www.st.com).

## Revision history

**Table 1. Document revision history**

Date	Revision	Changes
30-Jun-2011	1	Initial release.

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