

IAR™ starter kit for STM32L EnergyLite 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 STM32L EnergyLite ARM core-based microcontrollers.

IAR KickStart Kit for STM32L contains all the necessary hardware and software and allows you to design, develop, integrate and test your applications, right out of the box:

- Evaluation board with STM32L152VB MCU
- IAR Embedded Workbench for ARM 32K limited edition
- IAR visualSTATE 20-state evaluation edition Embedded IAR J-Link Lite for ARM debug probe
- Example applications made for the STM32L152VB 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

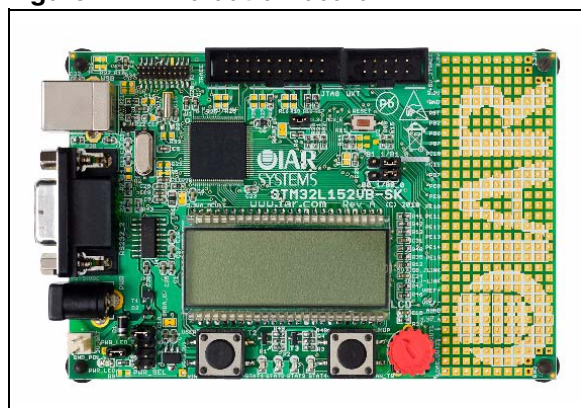


Figure 2. Starter kit



Table 1. Device summary

Order code	MCU device
STM32L152-SK/IAR	STM32L151x8
	STM32L151xB
	STM32L152x8
	STM32L152xB

STM32L152VB evaluation board features

- STM32L152VB MCU
- JTAG 20-pin connector
- Small 19-pin trace tool connector
- Graphic LCD display
- USB connector
- AN-TR wheel
- Wake-up button
- User button
- Reset button
- Power LED
- User LEDs
- 4 power options: J-Link (JTAG pin 19), trace connector (pin 11 and 13), USB or external power supply
- PWM routed to LED
- USART routed to DB9 connector
- UEXT connector
- Prototyping area
- RoHS Regulation (Directive 2002/95/EC) compliant

Ordering information

IAR KickStart kits can be ordered from IAR or from your nearest ST distributor or sales office (ST order code: STM32L152-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 2. Document revision history

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

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