STM32L152-SK/IAR

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

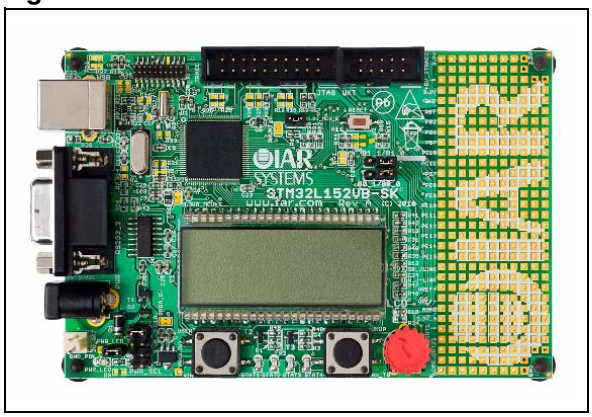

Figure 2. Starter kit

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 11and 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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