

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.

For further information contact your local STMicroelectronics sales office.

Figure 1. Evaluation board

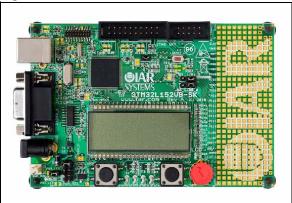


Figure 2. Starter kit



Table 1. Device summary

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

www.st.com

June 2011 Doc ID 018881 Rev 1 1/3

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.

577

Please Read Carefully:

Information in this document is provided solely in connection with ST products. STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, modifications or improvements, to this document, and the products and services described herein at any time, without notice.

All ST products are sold pursuant to ST's terms and conditions of sale.

Purchasers are solely responsible for the choice, selection and use of the ST products and services described herein, and ST assumes no liability whatsoever relating to the choice, selection or use of the ST products and services described herein.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted under this document. If any part of this document refers to any third party products or services it shall not be deemed a license grant by ST for the use of such third party products or services, or any intellectual property contained therein or considered as a warranty covering the use in any manner whatsoever of such third party products or services or any intellectual property contained therein.

UNLESS OTHERWISE SET FORTH IN ST'S TERMS AND CONDITIONS OF SALE ST DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY WITH RESPECT TO THE USE AND/OR SALE OF ST PRODUCTS INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE (AND THEIR EQUIVALENTS UNDER THE LAWS OF ANY JURISDICTION), OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT.

UNLESS EXPRESSLY APPROVED IN WRITING BY AN AUTHORIZED ST REPRESENTATIVE, ST PRODUCTS ARE NOT RECOMMENDED, AUTHORIZED OR WARRANTED FOR USE IN MILITARY, AIR CRAFT, SPACE, LIFE SAVING, OR LIFE SUSTAINING APPLICATIONS, NOR IN PRODUCTS OR SYSTEMS WHERE FAILURE OR MALFUNCTION MAY RESULT IN PERSONAL INJURY, DEATH, OR SEVERE PROPERTY OR ENVIRONMENTAL DAMAGE. ST PRODUCTS WHICH ARE NOT SPECIFIED AS "AUTOMOTIVE GRADE" MAY ONLY BE USED IN AUTOMOTIVE APPLICATIONS AT USER'S OWN RISK.

Resale of ST products with provisions different from the statements and/or technical features set forth in this document shall immediately void any warranty granted by ST for the ST product or service described herein and shall not create or extend in any manner whatsoever, any liability of ST.

ST and the ST logo are trademarks or registered trademarks of ST in various countries.

Information in this document supersedes and replaces all information previously supplied.

The ST logo is a registered trademark of STMicroelectronics. All other names are the property of their respective owners.

© 2011 STMicroelectronics - All rights reserved

STMicroelectronics group of companies

Australia - Belgium - Brazil - Canada - China - Czech Republic - Finland - France - Germany - Hong Kong - India - Israel - Italy - Japan - Malaysia - Malta - Morocco - Philippines - Singapore - Spain - Sweden - Switzerland - United Kingdom - United States of America

www.st.com



Doc ID 018881 Rev 1

3/3