

IAR™ starter kit for STM32F0 microcontrollers

Data brief

Features

- Microcontroller
 - STM32F051R8 (Cortex-M0), frequency up to 48 MHz, 8 Kbytes of SRAM, 64 Kbytes of Flash memory
- User interface
 - 4 status LEDs
 - Audio (headphone jack)
 - 2 user buttons, 1 reset button
 - 6 capacitive buttons
 - Small color LCD
 - Light and distance sensors
- Debug interface
 - JTAG/SWD 20-pin connector
 - 20-pin trace connector
- Communication interface
 - 1 UART connector
 - HDMI-CEC connectors
- Power functions
 - Multiple power supply options: JTAG/SWD, USB, external power jack and trace connector
 - Power supply LED
 - Comparator
- Additional features
 - Potentiometer
 - 3-axis accelerometer
 - RoHS compliant

Figure 1. IAR KickStart Kit



Description

The IAR KickStart Kit™ is a complete, cost-effective solution to start an application development and evaluate the STMicroelectronics STM32 F0 series ARM Cortex-M0 core-based microcontrollers.

The IAR KickStart Kit for STM32 F0 series contains all the necessary hardware and software and allows you to design, start developing, integrate and test your applications out of the box: the evaluation board with STM32F051R8 MCU, the IAR Embedded Workbench for ARM, 16_Kbyte Kickstart and 30-day evaluation editions, the IAR visualSTATE 20-state evaluation edition, the Embedded IAR J-Link Lite debug probe for STMicroelectronics Cortex-M devices, and example applications.

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

Ordering information

The IAR KickStart Kit can be ordered from IAR or from your nearest ST distributor or sales office.

- ST order code: STM320518-SK/IAR

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

Revision history

Table 1. Document revision history

Date	Revision	Changes
11-Sep-2012	1	Initial release.
24-Sep-2012	2	Updated Description .

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 TWO AUTHORIZED ST REPRESENTATIVES, 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.

© 2012 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



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Development Boards & Kits - ARM category](#):

Click to view products by [STMicroelectronics manufacturer](#):

Other Similar products are found below :

[SAFETI-HSK-RM48](#) [PICOHOBBITFL](#) [CC-ACC-MMK-2443](#) [TWR-MC-FRDMKE02Z](#) [EVALSPEAR320CPU](#) [EVB-SCMIMX6SX](#)
[MAX32600-KIT#](#) [TMDX570LS04HDK](#) [TXSD-SV70](#) [OM13080UL](#) [EVAL-ADUC7120QSPZ](#) [OM13082UL](#) [TXSD-SV71](#)
[YGRPEACHNORMAL](#) [OM13076UL](#) [PICODWARFFL](#) [YR8A77450HA02BG](#) [3580](#) [32F3348DISCOVERY](#) [ATTINY1607](#) [CURIOSITY](#)
[NANO](#) [PIC16F15376](#) [CURIOSITY NANO BOARD](#) [PIC18F47Q10](#) [CURIOSITY NANO](#) [VISIONSTK-6ULL V.2.0](#) [80-001428](#) [DEV-17717](#)
[EAK00360](#) [YR0K77210B000BE](#) [RTK7EKA2L1S00001BE](#) [MAX32651-EVKIT#](#) [SLN-VIZN-IOT](#) [LV18F V6 DEVELOPMENT SYSTEM](#)
[READY FOR AVR BOARD](#) [READY FOR PIC BOARD](#) [READY FOR PIC \(DIP28\)](#) [EVB-VF522R3](#) [AVRPLC16 V6 PLC SYSTEM](#)
[MIKROLAB FOR AVR XL](#) [MIKROLAB FOR PIC L](#) [MINI-AT BOARD - 5V](#) [MINI-M4 FOR STELLARIS](#) [MOD-09.Z](#) [BUGGY +](#)
[CLICKER 2 FOR PIC32MX + BLUETOOT](#) [1410](#) [LETS MAKE PROJECT PROGRAM. RELAY PIC](#) [LETS MAKE - VOICE](#)
[CONTROLLED LIGHTS](#) [LPC-H2294](#) [DSPIC-READY2 BOARD](#) [DSPIC-READY3 BOARD](#) [MIKROBOARD FOR ARM 64-PIN](#)
[MIKROLAB FOR AVR](#)