

### Features

The STM32Java software development kit (SDK) features one or more Java Platforms (JPF) for STM32 MCUs.

Each JPF provides an abstraction of a number of features of the STM32 microcontrollers and of the components available on the STM32 boards.

- The following components and peripherals are supported by the JPFs:
  - 3.2" 240x320 TFT color LCD including the touch screen capability with MicroUI™ for rich HMI applications and Micro Widget Toolkit, MWT for enhanced widgets
  - Ethernet with an integrated TCP/IP stack and the sockets interface
  - RS-232 USART communication
  - Joystick with 4-direction control and selector wakeup, tamper and user buttons
  - 4 color LEDs
  - Embedded ST-LINK/V2 for development purposes
  - SNI (Simple Native Interface) and SP (Shielded Plug) to interface Java and C world

### Description

The STM3220G-JAVA kit is a complete platform to evaluate the development of embedded applications in Java for the STM32 F2 series microcontrollers.

The kit is composed of the STM3220G-EVAL evaluation board and a DVD ROM which contains an evaluation version of the STM32Java software development kit based on MicroEJ®.

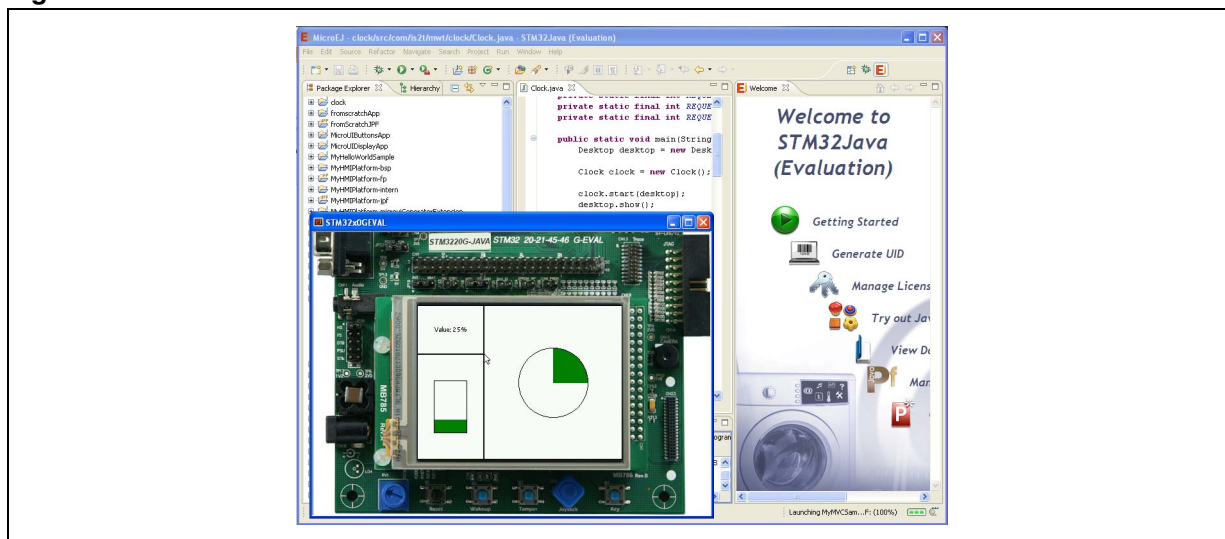
MicroEJ® is based on the Eclipse™ IDE and provides extended features for using Java in embedded systems to design and deploy embedded Java applications, simulate embedded Java applications on PCs and perform automated tests.

The main limitations of the evaluation version are 3 months of use from the first launch and 1 hour of runtime.

A Java demo is programmed in the STM32F2071GH6 microcontroller on the evaluation board.

For more information, visit [www.stm32java.com](http://www.stm32java.com).

Figure 1. STM32Java workbench



## Revision history

**Table 1. Document revision history**

Date	Revision	Changes
02-Feb-2012	1	Initial release.
13-Apr-2012	2	Added screenshot on cover and updated <i>Description</i> .
14-Dec-2012	3	Updated <i>Features</i> , <i>Description</i> and <i>Figure 1</i> .
24-Jan-2013	4	Added URL <a href="http://www.stm32java.com">www.stm32java.com</a> to <i>Description</i> .

**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.

© 2013 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](http://www.st.com)

