



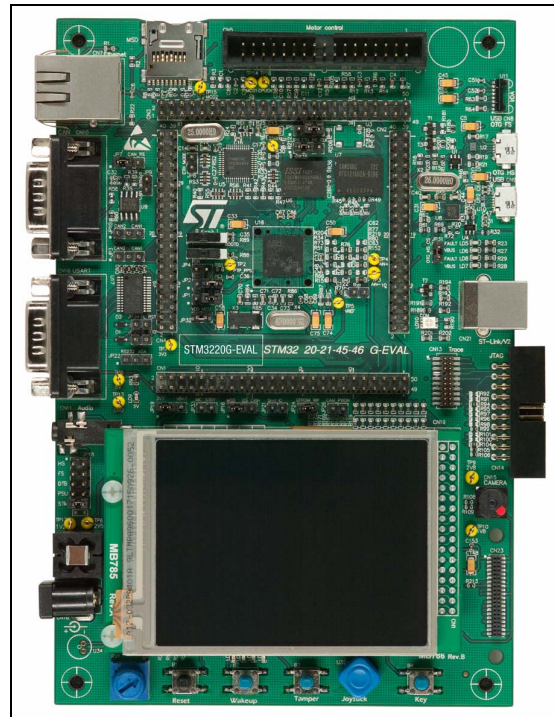
STM3220G-EVAL

STM3220G-EVAL evaluation board

Data brief

Features

- 16 Mbit SRAM
- 1 Gbyte or more MicroSD card
- Boot from user Flash, system memory or SRAM
- Both ISO/IEC 14443 type A and B smartcard support
- I²C compatible serial interface 64 Kbit EEPROM, MEMS and I/O expander
- IEEE 802.3-2002 compliant ethernet connector
- Two CAN 2.0 A/B channels on the same DB connector
- RS-232 communication
- IrDA transceiver
- USB OTG (HS and FS) with Micro-AB connector
- Inductor motor control connector
- I²S Audio DAC, stereo audio jack for headset
- 3.2" 240x320 TFT color LCD with touch screen
- 4 color LEDs
- Camera module and extension connector for ST camera plug-in
- Joystick with 4-direction control and selector
- Reset, wakeup, tamper and user button
- RTC with backup battery
- Extension connector for daughterboard or wrapping board
- JTAG, SW and trace debug support
- Embedded ST-LINK/V2
- Five 5V power supply options: Power jack, USB FS connector, USB HS connector, ST-LINK/V2 or daughterboard



Description

The STM3220G-EVAL evaluation board is a complete demonstration and development platform for the STM32 F-2 series and includes an embedded STM32F207IGH6 high-performance ARM[®]Cortex[™]-M3 32-bit microcontroller.

The full range of hardware features on the board is provided to help you evaluate all peripherals (USB OTG HS, USB OTG FS, ethernet, motor control, CAN, MicroSD card, smartcard, USART, Audio DAC, RS-232, IrDA, SRAM, MEMS, EEPROM... etc.) and develop your own applications.

The in-circuit ST-LINK/V2 tool can be easily used for JTAG and SWD interface debugging and programming.

1 Demonstration software

Demonstration software is preloaded in the board's Flash memory for easy demonstration of the device peripherals in standalone mode. For more information and to download the latest version available, please refer to STM3220G-EVAL demonstration software available on web: www.st.com/mcu.

2 Ordering information

Table 1. Device summary

Order code	Reference
STM3220G-EVAL	STM3220G-EVAL evaluation board

3 Revision history

Table 2. Document revision history

Date	Revision	Changes
24-Mar-2011	1	Initial release.

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

