



# STM8S-DISCOVERY

## STM8S access Discovery

Data brief

### Features

- STM8S105C6T6 microcontroller, 32 KB Flash, 2 KB RAM, 1 KB EEPROM
- Powered by USB cable between PC and STM8S-DISCOVERY
- Selectable power of 5 V or 3.3 V
- Touch sensing button
- User LED
- Extension header for all I/Os
- Wrapping area for users own application
- Embedded ST-Link
- USB interface for programming and debugging
- SWIM debug support

### Description

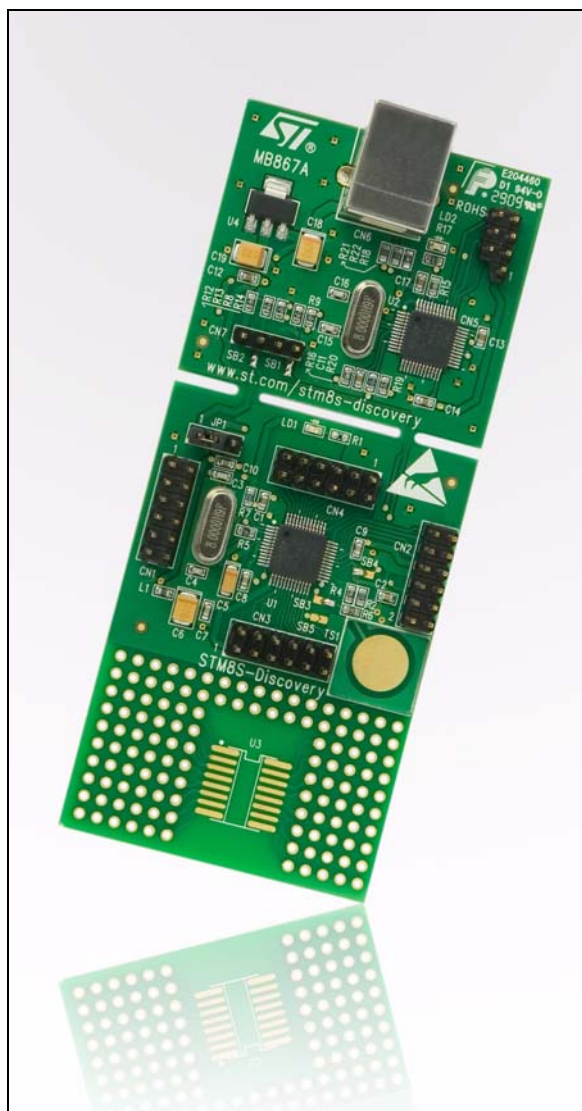
The STM8S-DISCOVERY helps you to discover the STM8S features and to develop and share your own application.

Even though the STM8S-DISCOVERY is built around an STM8S105C6T6, it allows evaluation of the main features of all the STM8S Access line MCUs. It includes an embedded debugger ST-Link, and a touch sensing button.

The STM8S-DISCOVERY simply plugs into a PC through a standard USB cable. Numerous applications are available from the STM8S-DISCOVERY web page.

Table 1. Device summary

Order code	Reference
STM8S-DISCOVERY	STM8S access Discovery



## 1 System requirements

- Windows PC (2000, XP, Vista)
- USB type A to B cable

## 2 Development toolchain

- IAR, Embedded Workbench® for STM8
- STMicroelectronics, ST Visual Develop (STVD)

## 3 Demonstration software

Demonstration software is preloaded in the board's Flash memory. This demonstration uses the touch sensing feature of the STM8S-Discovery to change the led blinking speed when the touch key is pressed. The latest version of the demonstration source code and associated documentation can be downloaded from [www.st.com/stm8s-discovery](http://www.st.com/stm8s-discovery).

## 4 Revision history

**Table 2. Document revision history**

Date	Revision	Changes
05-Nov-2010	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.

© 2010 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)