



## ST Microelectronics - STM8S-DISCOVERY - Quick Start Evaluation Board

### Product Overview:

The STM8S-DISCOVERY is a quick start evaluation board which helps you to discover the STM8 features, and to develop and share your own application. It is based on an STM8S105 and includes an embedded debugger, ST-LINK, and a touch sensing button. Numerous applications are available from the STM8S-Discovery web page.



### Kit Contents:

- 1 Nos STM8S-DISCOVERY Eval Board

### Key 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, TS1
- User LED, LD1
- Extension header for all I/Os
- Wrapping area for users own application
- Embedded ST-LINK for STM8S
- USB interface for programming and debugging
- SWIM debug support

### Ordering Information:

### Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
STM8S-DISCOVERY	ST Microelectronics	1775251	51R7448

## Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
STM8S105C6T6	ST Microelectronics	MCU, 8BIT	1706222	09R6033
STM32F103C8T6	ST Microelectronics	32-Bit Microcontroller	1447637	59M2182
LD1117AV33	ST Microelectronics	V REG LDO	1087165	26M0152

## Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
STM8/128-EVAL	ST Microelectronics	EVAL BOARD, STM8S2XX	Supported Families:STM 8s	1683821	NA
STM8/128-SK/RAIS	ST Microelectronics	STARTER KIT, REVA STM8	Supported Families:STM 8S207, STM8S208	1683823	NA

## Document List:

## Datasheets:

Part Number	Description	Size
STM8S105C6T6	<a href="#">8-bit MCU</a>	1290KB
STM32F103C8T6	<a href="#">32-Bit Microcontroller</a>	1390KB
LD1117AV33	<a href="#">low drop positive voltage regulator</a>	1020KB

## Application Notes:

File Name	Size
<a href="#">Developing and debugging your STM8S-DISCOVERY application code</a>	2140KB
<a href="#">Adjustable buzzer frequency using STM8S-DISCOVERY touch sensing key</a>	160KB
<a href="#">Adjustable LED blinking speed using STM8S-DISCOVERY touch sensing key</a>	142KB
<a href="#">Displaying variable voltage on an LED bar</a>	131KB
<a href="#">Generating PWM signals using STM8S-DISCOVERY</a>	96.9KB
<a href="#">RS232 communications with HyperTerminal using the STM8S-DISCOVERY</a>	291KB

## Hardware & Software:

File Name	Size
<a href="#">ST MCU Toolset</a>	1316MB
<a href="#">Demo Software</a>	1040MB
<a href="#">Schematic</a>	326KB

