

## Product details

The STM8S103F3P6 circuit uses the STM8S103F3P6 chip from STMicroelectronics. The STM8S103 is an 8-bit microcontroller that supports 8 Kbytes of Flash memory plus integrated EEPROM memory. They provide benefits such as: High performance, stable speed, high durability, reduced system cost. Programs can be written and deleted up to 100,000 times thanks to the built-in EEPROM memory. Operating frequency 16MHz, independent watchdog with separate clock source.

The module is powered by microUSB 5V, SWIM or power pin, the board includes AMS1117-3.3V LDO to convert USB 5V to 3V3 VDD.

On the Arduino Board there is also 1 power LED, 1 LED connected to pin B5 and a reset button.

## Technical specifications of Circuit STM8S103F3P6

Main IC: STM8S103F3P6

Input Voltage:

Power source: 4.5 ~ 15VDC

Microphone port: 5VDC

Memory: 8KB Flash

Ram: 1KB

CPU speed: 16MHz, 1 8-bit timer (IC-OC-PWM). 2 16-bit timers (IC-OC-PWM). 5 x 10 bit ADC

EEPROM: 640 Bytes (STM8S003F3P6 is 128 Bytes)

Support SWIM debug mode

UART communication

SPI communication at speeds up to 8Mbit/s.

I2C communication at speeds up to 400Kbit/s.

Weight: 5g