

Fingerprint Sensor with 5 Fingerprint Projects

INTRODUCTION

This is an Arduino compatible fingerprint module. With the high speed DSP processor, it could also work with other serial device, like MSP430, 51, AVR, PIC, STM32, ARM and FPGA device. This fingerprint module could work alone without any principal computer or any PC software. It could store 1000 fingerprint. Support fingerprint entry, intelligent image processing, fingerprint comparison and fingerprint search mode. It also has a high sensitivity to both wet and dry fingerprint recognition.

This module could be widely used in security field, such as license management .etc. It can also be used to replace the IC card, password, hardware switch in your application.

SPECIFICATION

Power supply: DC 3.8V-7.0V

Operating current: 65mA (Typical)

Interface: UART (TTL logical level)

Baud rate: (9600*N)bps, N=1~12(default N=6, 57600bps)

Image acquisition time: <1S

Storage capacity: 1000

FAR: <0.001%

FRR: <1.0%

Average searching time: <1s (1:500, average)

Matching Mode: comparison mode (1:1) and search mode (1:N)

Character file: 256 bytes

Template file: 512 bytes

Security level: 5(1,2,3,4,5(highest))

Working environment: Temp: -20°C - +60; RH: 40%-85%

Storage environment: Temp: -40°C - +85°C; RH: <85%

Touch area dimension: 14.5*19.4 mm (0.57*0.76")

Outline dimension: 54*20*20.5 mm (2.13*0.79*0.81")

