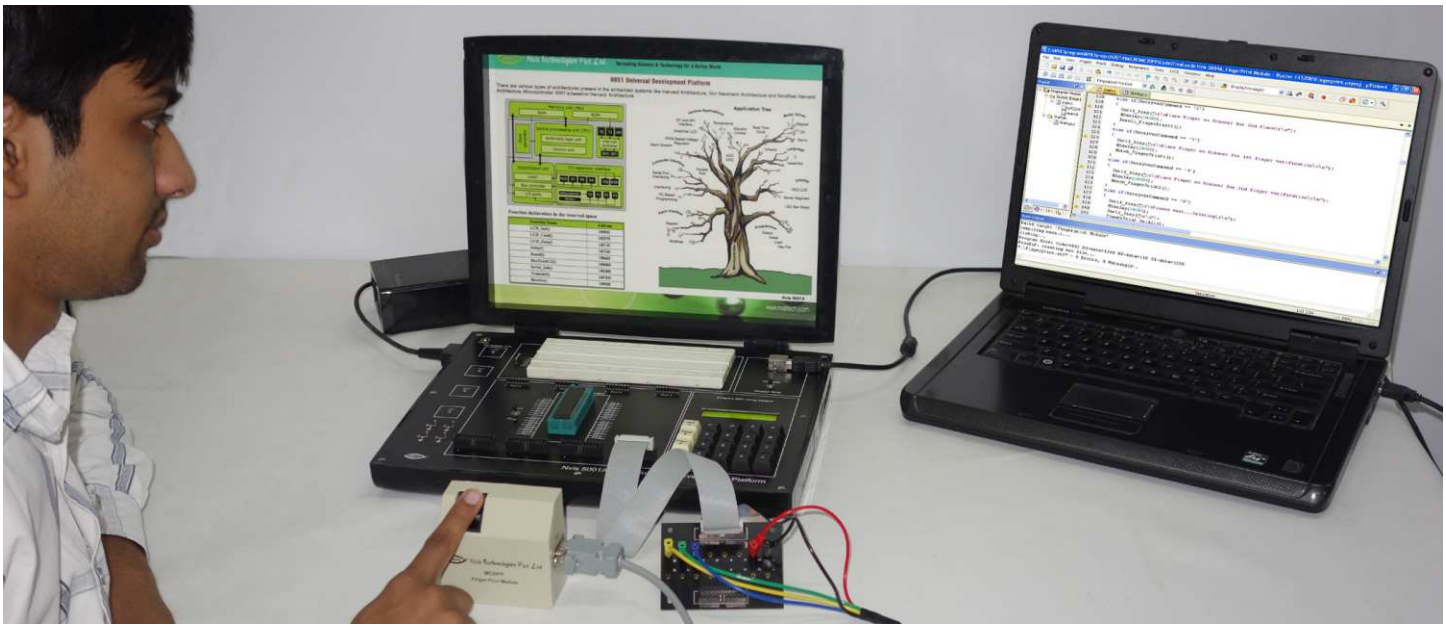
Finger Print Module

MC20FP



Finger Print Module MC20FP is an extension module for Nvis Microcontroller development platforms. The module has been designed for students and practicing engineers to gain invaluable practical experience on the principle and applications of microcontroller & Finger print module. The objective is to have a clear understanding of how Finger print module is interfaced and controlled with microcontroller.

The user can store the finger print data in the module and can configure it in 1:1 or 1: N mode for identifying the person. The finger print module can directly interface with 5V microcontroller. A level converter (like MAX232) is required for interfacing with PC serial port.

Optical biometric fingerprint reader with great features and can be embedded into a variety of end products.

Features

- **Integrated image collecting and algorithm chip together**
- **Good image processing capabilities, can successfully capture image up to resolution 500 DPI (dots per inch)**
- **On board Buzzer interface**
- **On board finger print match indicator**

Scope of Learning

- To study of the implementation, analysis and interfacing of finger print module
- To study and learn to Interface finger print module with microcontroller
- To design and learn how to make finger print based attendance system

Note:

- This module is compatible with Scientech 620X Series and Nvis 5001A/2/3/4A/5 Series Microcontroller development platforms.
- This module can be interfaced with PC by using MC03 computer interface module.
- To interface MC20FP module with Scientech 6201 & Nvis 500X series, Interface adaptor is required.

Applications

- Access control
- Attendance
- Safety deposit box
- Car door locks

Technical Specifications

Communication	:	TTL UART Interface
Power Supply	:	From Scientech 620X Series and Nvis 500X Series Microcontroller development platform
Operating Current	:	100 mA
Baud rate	:	57600bps (default)
Image acquiring time	:	< 0.5S
Storage capacity	:	256 images
Template size	:	512 bytes
Character file size	:	256 bytes
Average searching time	:	< 1S
Sensor type	:	Optical
Resolution	:	500 DPI (dots per inch)
Window dimension (mm)	:	18mm X 22mm

Included Accessories

MCU interface adaptor	:	1no.

Subject to Change,

An ISO 9001: 2008 company

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