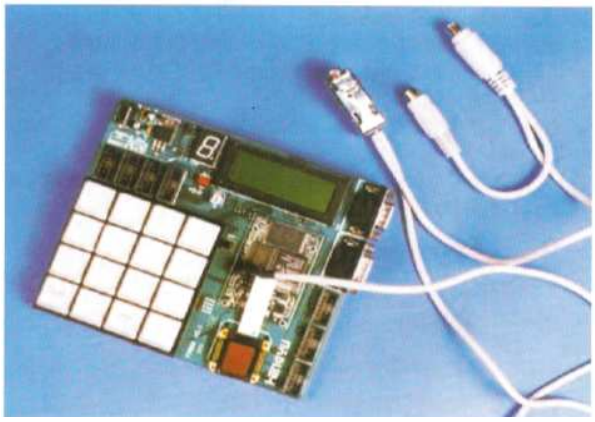
Finger Print Trainer Board
Model :- CT-FP-1



The fingerprint development board allows you to develop your own biometric products based on fingerprint identification unit. It has built-in LCD display and keypads for you to be easily familiar with our SDK. With the extended ports, you can plug in other external modules.

FEATURES

- Fingerprint registration and verification.
- 122x32 dotmatrix LCD with background light support.
- Two RS232 ports and one RS485 port for connecting to PC or other peripherals.
- Built in demo application firmware.
- Power can be retrieved from the PS/2 port or external adapter.
- Real time clock display.
- 16 keys pinpad for user input.
- 4K bytes EEPROM for saving any general data.
- Seven expandable connectors for connecting to external circuits.
- Up to 468 fingerprint templates can be stored inside the on board flash.
- User can enter time and date through keypad.
- User can choose from three choices 'USER', 'VIP' & 'ADMIN' during fingerprint registration.
- Built in development mode for customers that wish to treat our board as a standalone fingerprint recognition device.
- Built in debug monitor for manual operation of the board and software upgrade.
- Development board can also be powered up from external power supply.
- User can connect optional external modules like Smart Card Reader etc.

FINGERPRINT IDENTIFICATION UNIT FEATURES

- Enrol time: 1.5s
- Verify time: 0.5s
- FRR: 0.1%
- FAR: 0.0001%
- Resolution: 580dpi
- Fingerprint size: 256 bytes + 16 bytes header
- Provide an 80 pin connectors allowing connection to the peripherals

TECHNICAL SPECIFICATIONS

- Power supply: 220V/AC @ 50 Hz ±10%
- Current input: Typically 250mA (550mA working current)
- Core: ARM7TDMI 32 bit RISC core with 8k byte cache
- Memory: 512K byte Flash
  2M byte SDRAM
  4K byte EEPROM
- Dimension: (LxWxH, mm): 183x130x30
- Communication: RS232C
- Connector: 8 pin GPIO
  12 keyboard scan line
  SPI
  Mono LCD
  2 external interrupt
  JTAG
  IrDA
  MultiMedia card
  UART
  Buzzer
  Smartcard
- Storage: Up to 468 fingerprint template expandable upto 1000 template

ERFACING MODULES

- Electric Lock door with Software in VB and training
- Attendance System etc.

Core Technologies
Suite No-8A, 3rd Floor,184, Lenin Sarani, Kolkata – 700 013, ph - +91 33 2212 6863/ 6865, Fax - +91 33 3022 6863
E-mail – info@core-technologies.com, website – www.core-technologies.com