

Hand-Held RFID Reader

Developed at VECC



- Supporting RFID Card Type
 - *MFRC500,*
 - *Operating Frequency 13.56Mhz*
 - *Protocol ISO14443A Compliant*
- Real Time Clock
-  IN/OUT Switch
- Bluetooth Interface
 - Frequency 2.402-2.80GHz
 - RF Power 18Dbm
- Color LCD Display
 - *128x128 Pixel*
 - *35mmx35mm*

If a Mifare RFID card is presented before the reader for punching with the scan-switch pressed, the micro-controller reads the data from the card through the RFID module. Once a valid (issued by DAE) card is punched, the controller shows an image of the particular employee (if he/she belongs to VECC) in the LCD display otherwise it shows "NO IMAGE" in case of other DAE units. All the images are stored in the SD card in FAT32 file system. The system can differentiate between an employee ID card & a temporary entry permit card. This system is also capable of identifying the other DAE unit cards explicitly. For any cards not issued by any DAE unit, the system shows "UNKNOWN CARD". After showing the image the controller stores all the card-punch information like date, time and employee no. etc., into a file in the SD card as well as sends all the information to a remote computer through Bluetooth connectivity. The LED attached to the system gives the visual indication of card reading status. If the card reading is successful then it shows green light otherwise red.

SALIENT FEATURES

- 4GB SD Memory Supporting FAT32
- LED Indicator
- Battery Charger
- Six Cell NiMh Battery 2300mAH
- Data Encryption Facility
- Software for Display & Oracle update

