

"This is a Mifare[®] smart card reader that combines a Mifare[®] Contactless smart card reader and biometric finger scanner. On flashing the card it picks up the pre-stored finger template from the card and compares the live finger against it".



"As the card holder's fingerprint details are held on the card there is no database protection issue."

The unit reads stored fingerprint templates from the card together with the access control code and card number in one pass. When a finger is presented to the reader it is compared against a template from the card, and on a match it either grants or denies access.

It supports a keypad and a display. It is a Reader cum Door Controller thus eliminating the need for separate controllers. It supports both the card holder's Data Base and the transaction Data Base. This feature makes the reader function on a standalone basis in case the networking line is down temporarily. The reader rests on a RS485 network. The connectivity to the PC can be achieved through an RS485 to RS232 convertor or an RS485 to TCP/IP Convertor depending on the customer's requirements. The Back - end software is our own SmaX and Smart Attendance.

SALIENT FEATURES

- Conforms to ISO 14443A (Type 1, 2, 3) (Type 4 on request and discussion) (13.56 MHz)
- 128 Kb internal memory holds up to 4,000 card holder's database and 6,000 transaction database
- 512 Kb memory on request.
- Fast verification and authentication processing time; less than one second
- LCD Display, Visual (LED) and audible (Buzzer) feedback
- RS485 interface for networking.
- Card based Finger Template, Hence 1:1 Matching thus eliminating False Acceptance Rate (FAR)

SPECIFICATIONS

Power requirement	10 - 14Vdc
Output Interface	RS485 & Weigand output to customers requirement
Inputs	4 optically isolated
Relay Output	3 relays, potential free contacts, single change over. (1 Amp rating 24 Volt DC)
Normal current consumption	250 ma
Activated current consumption	360 ma
Read range	40 – 60 mm (1.2" – 2.4") (typically)
Operating temperature	0°C to + 55°C (32°F to 131°F)
Relative humidity	90% max, operating non-condensing
Reader dimensions	136mm x 161mm x 44mm
F.A.R	Eliminated
F.R.R	0.01%
Display	LCD backlit display, 2 line 16 character. Digit Ht: 4mm
Status LED	Amber, Green & Red
Audible tone	Variable beep duration for Access Granted and Denied
Memory	128 Kb, 512 Kb (On Request)
Weight	1700gms
Warranty Policy	Warranty for 1 year against defective workmanship Corporation.

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