

EI 816 Mifare Access Reader

The EI 816 is a Mifare Contactless Smart Card Access Reader. It is a comprehensive Reader thus eliminating the need for separate door 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 incase the networking line is down temporarily. The reader rests on a RS485 network. The connectivity to the PC can either be achieved through an RS485 to RS232 or an RS485 to TCP/IP Converter depending on the customer's requirements. On-Board TCP/IP connectivity can also be provided on request.

The Back - End software is our own SmaX and Smart Attendance.

The EI 816 is a low profile, totally sealed, robust unit.



Front View



Side View

SALIENT FEATURES

- **Conforms to ISO 14443A (Type 1, 2, 3) (Type 4 on request) (13.56 MHz)**
- **128 Kb internal memory holds up to 3,000 to 4,000 card holder's database and 6,000 transaction data base. 512 Kb memory on request.**
- **Fast verification and authentication processing time; less than one second.**
- **Visual (LED) and audible (Buzzer) feedback.**
- **RS485 interface for networking.**
- **RS232 interface (can interface with a printer)**
- **In-Built TCP/IP**
- **Also available in IP65 standard finish for internal or external application.**

SPECIFICATIONS

Power requirement	10 - 14Vdc
Output Interface	RS485 and RS232 (TCP/IP optional)
Inputs	2 no optically isolated
Relay Output	1 relay – potential free contact single change over. (1 Amp rating 24 Volt DC)
Normal current consumption	120 ma
Activated current consumption	175 ma
Read range	30 – 50 mm (1.2" - 2") (typically)
Operating temperature	-10°C to + 55°C (14°F to 131°F)
Relative humidity	90% max, operating non-condensing
Reader dimensions	90mm x 90mm x 27mm (3.54" x 3.54" x 1.06")
Status LED	Amber, Green & Red
Audible tone	Variable beep duration for Access Granted and Denied
Memory	128 Kb. Optional 512 Kb
IP Rating	IP60
Weight	166gms
Color	Midnight Blue
Warranty Policy	Warranty for 1 year against defective workmanship

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