

# MAGIC

## RFID Reader Industry Module

PART ID:  
**4008**

The MAGIC 4008 LF 125 kHz Read Only OEM RFID Reader Module with Integrated Antenna is used by system developers to have shortest possible design-in phase to integrate LF RFID into their access control and time attendance system hardware. In many cases the MAGIC 4008 is the base for RFID access control readers for apartment- or hotel door locks. To complete the needed RFID system components we provide suitable RFID TAGs, like BAR SHAPE- EPOXY- TEAR- WING- or UNIVERSAL KEY FOBs or ISOCards with EM4200 Read Only chip in our Transponder Product Portfolio.



### Main Specifications

|                       |   |
|-----------------------|---|
| Frequencies           | <b>LF</b> HF UHF                                |
| Material              | FR4   |
| Operating Temperature | -10°C to 55°C                                   |
| IP Class              | Not Specified                                   |
| Compliance            | RoHs & Reach, CE                                |
| Key Features          | Small Size, Cost-Effective, Automatic Read Mode |

### Full Specifications

|                  |   |
|------------------|---|
| Product ID       | 4008  |
| Name             | MAGIC   |
| Material         | FR4   |
| Shape            | Short Range   |
| Long Description | The MAGIC 4008 LF 125 kHz Read Only OEM RFID Reader Module with Integrated Antenna is used by system developers to have shortest possible design-in phase to integrate LF RFID into their access control and time attendance system hardware. In many cases the MAGIC 4008 is the base for RFID access control readers for apartment- or hotel door locks. To complete the needed RFID system components we provide suitable RFID TAGs, like BAR SHAPE- EPOXY- TEAR- WING- or UNIVERSAL KEY FOBs or ISOCards with EM4200 Read Only chip in our Transponder Product Portfolio. |
| Key Features     | Small Size, Cost-Effective, Automatic Read Mode   |
| Main Use         | Embedd  |
| Article Type     | Module  |
| Color            | Black   |

|                            |                  |
|----------------------------|------------------|
| Length [mm]                | 26               |
| Width [mm]                 | 25               |
| Thickness [mm]             | 7                |
| Weight [g]                 | 10               |
| IP Class                   | Not Specified    |
| PCB Material               | FR4              |
| Chemical Resistance        | Not Specified    |
| Flame Resistance           | Not Specified    |
| Mechanical Resistance      | Not Specified    |
| Compliance                 | RoHs & Reach, CE |
| Read / Read Write          | Read             |
| Typical Reading Range      | 80mm             |
| Supported Standards / Tags | EM410x           |
| Operating Temp °C (min)    | -10              |
| Operating Temp °C (max)    | 55               |
| Storage Temp °C (min)      | -10              |
| Storage Temp °C (max)      | 55               |
| Power Supply               | 3..5V DC         |
| Battery Type               | None             |
| Battery Capacity           | None             |
| Operating Frequency        | LF               |
| Frequency Range            | 125 kHz          |
| Current Consumption        | 100mA            |
| Power over Ethernet [PoE]  | None             |
| Interfaces Physical        | TTL/Wiegand      |
| Interfaces Protocol        | ASCII            |
| Transfer rate [Baud]       | 9600             |
| Antenna Ports              | 1                |
| Antenna int.               | 1                |
| Integrated RFID Reader     | LF               |
| Development Tools          | API              |
| Mounting Method            | Embedd           |

## VARIANTS

| ID             | Variant      |
|----------------|--------------|
| 4008-01-000-00 | LF Read Only |