

# MAGIC

## RFID Reader Industry Module

**PART ID:**  
**4001**

The OEM RFID reader module MAGIC 4001 was developed for reading read only and writing read write LF 125 kHz / 134 kHz transponders. It is used by electronics development companies to integrate LF RFID technology into their own OEM hardware in the simplest way with low wiring effort. Different firmware versions enable the processing of almost all standard LF 125 kHz and 134 kHz transponders.

### Main Specifications

Frequencies	<b>LF</b> HF UHF
Material	ABS with Epoxy
Operating Temperature	-20°C to 65°C
IP Class	Not Specified
Compliance	RoHs & Reach, CE
Key Features	Small Size, Versatile, Cost-Effective



### Full Specifications

Product ID	4001
Name	MAGIC
Material	ABS with Epoxy
Shape	Short Range
Long Description	The OEM RFID reader module MAGIC 4001 was developed for reading read only and writing read write LF 125 kHz / 134 kHz transponders. It is used by electronics development companies to integrate LF RFID technology into their own OEM hardware in the simplest way with low wiring effort. Different firmware versions enable the processing of almost all standard LF 125 kHz and 134 kHz transponders.
Key Features	Small Size, Versatile, Cost-Effective
Main Use	Embedd
Article Type	Module
Color	Black
Length [mm]	22.9
Width [mm]	15.2
Weight [g]	5

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Where application information is given, it is only advisory and does not form part of the specification.

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&Write
Typical Reading Range	50mm
Supported Standards / Tags	EM410x, FDX-B, HDX, Hitag1/2/S, 5577, EM4305,EM4450
Operating Temp °C (min)	-20
Operating Temp °C (max)	65
Storage Temp °C (min)	-20
Storage Temp °C (max)	65
Power Supply	5V DC
Battery Type	non
Battery Capacity	non
Operating Frequency	125/134 kHz
Interfaces Physical	Serial TTL
Interfaces Protocol	ASCII
Transfer rate [Baud]	9600
Antenna ext.	1
GPIO	3
Customized Programming	I/O Ports
Firmware Update User	yes
Mounting Method	Embedd

## VARIANTS

ID	Variant
4001-01-000-00	LF Read/Write