

MAGIC

RFID Reader Industry Module

PART ID:
4046

The reader module MAGIC 4046 is one of our newest innovative module system. It has been developed for read and write NFC transponders in the frequency range 13,56 MHz. Due to the low level protocol a short integration time is guaranteed. Its small identical design to other modules of the MAGIC series promises a 100% compatibility to other frequency ranges LF, HF and UHF.

Main Specifications

Frequencies	LF HF UHF
Material	FR4
Operating Temperature	-20°C to 65°C
IP Class	Not Specified
Compliance	RoHs & Reach, CE
Key Features	Small Size, Versatile, Cost-Effective, Command Interpreter



Full Specifications

Product ID	4046
Name	MAGIC
Material	FR4
Shape	Short Range
Long Description	The reader module MAGIC 4046 is one of our newest innovative module system. It has been developed for read and write NFC transponders in the frequency range 13,56 MHz. Due to the low level protocol a short integration time is guaranteed. Its small identical design to other modules of the MAGIC series promises a 100% compatibility to other frequency ranges LF, HF and UHF.
Key Features	Small Size, Versatile, Cost-Effective, Command Interpreter
Comments	Reading Distance Depends On Antenna
Article Type	Module
Color	Green
Length [mm]	51.44
Width [mm]	31.12
Thickness [mm]	4
Weight [g]	11

©TECTUS reserves the right to change any information or data in this document without prior notice. The distribution and the update of this document is not controlled. TECTUS declines all responsibility for the use of products with any other specifications but the ones mentioned above. Any additional requirement for a specific customer application has to be validated by the customer himself at his own responsibility.

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	short
Supported Standards / Tags	ISO 14443, 15693, NTAG
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	None
Battery Capacity	None
Operating Frequency	HF
Frequency Range	13.56MHz
Power over Ethernet [PoE]	No
max.Power	500mA
Interfaces Physical	UART, I ² C (3.3/5V)
Interfaces Protocol	ASCII
Transfer rate [Baud]	9600
Antenna Ports	1
Antenna ext.	1
GPIO	3
Number of Input	3
Number of Output	3
Connection	Socket
Status [Display,LED]	1 RGB LED
Development Tools	API/Terminal

VARIANTS

ID	Variant
4046-01-000-00	NFC Read/Write