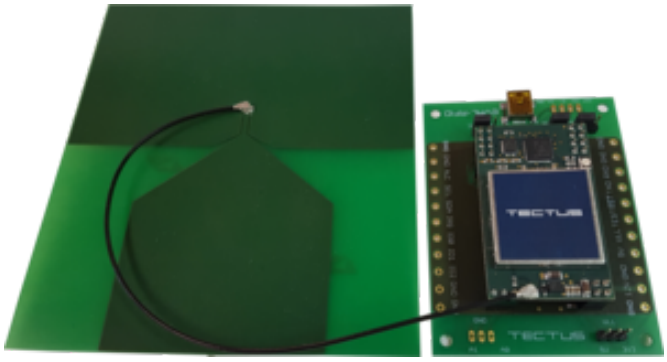
MAGIC

RFID Reader Industry Module

PART ID:
4047

TECTUS RFID Reader Modules make quick and cost-effective implementation of RFID technology possible in existing operational infrastructures, as well as in existing products and applications. Due to the low-level communication these modules can be used in all circuits. This evaluation board was developed for an easy start into engineering.



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	Command Interpreter, Simple ASCII Protocol, LF, HF, UHF and NFC available, Plug-and-Play

Full Specifications

Product ID	4047
Name	MAGIC
Material	FR4
Shape	Evaluation Kit
Long Description	TECTUS RFID Reader Modules make quick and cost-effective implementation of RFID technology possible in existing operational infrastructures, as well as in existing products and applications. Due to the low-level communication these modules can be used in all circuits. This evaluation board was developed for an easy start into engineering.
Key Features	Command Interpreter, Simple ASCII Protocol, LF, HF, UHF and NFC available, Plug-and-Play
Comments	incl.PCB antenna 126x11x1.2mm
Main Use	Development
Article Type	Module
Color	Green
Length [mm]	80

© 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.

TECTUS Technology GmbH | Lustheide 85 | D-51427 Bergisch Gladbach | Phone: +49 (0) 22 04 976 88 0 | Fax: +49 (0) 22 04 976 88 10

Width [mm]	60
Thickness [mm]	20
Weight [g]	26
Anticollision	yes
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 18000-6A/B,C
MTBF [h]	500000
Humidity %	95
Operating Temp °C (min)	-20
Operating Temp °C (max)	65
Storage Temp °C (min)	-20
Storage Temp °C (max)	60
Power Supply	USB
Battery Type	None
Battery Capacity	None
Operating Frequency	UHF
Frequency Range	860~960MHz
Interfaces Physical	USB,I²C
Interfaces Protocol	ASCII
Antenna Ports	1
Antenna ext.	1
Connection	USB, Pad
Status [Display,LED]	1 RGB LED
Integrated RFID Reader	UHF
Mounting Method	Embed

VARIANTS

ID	Variant
4047-01-000-00	EvaluationKit UHF

© 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.

TECTUS Technology GmbH | Lustheide 85 | D-51427 Bergisch Gladbach | Phone: +49 (0) 22 04 976 88 0 | Fax: +49 (0) 22 04 976 88 10