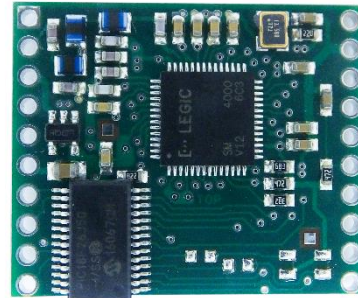


Datasheet

RFID module LEGIC Flex



The RFID module LEGIC Flex from Smart Technologies is an inexpensive RFID module based on the LEGIC SM-4x00 chip series.

With the LEGIC Flex module you can use transponders or ISO cards of all common 13.56MHz technologies.

The compact size, the integrated interfaces and a power supply of 3.3 V to 5V enable a significant application advantage over conventional modules.

The LEGIC Flex module can be configured according to customer specifications and can therefore be used for different applications.

Highlights:

- Custom outputs can be realized
- Reading mode
- External antenna available
- Support for all common 13.56MHz RFID technologies and NFC
- Support for external antennas with 50 Ohm
- Low power consumptions

Technical specifications	
Operating voltage	5V via USB 3,3V – 5V DC ($\pm 5\%$)
Power consumption	<125 mA
Frequency	13,56 MHz
Operating distance	Up to 8 cm*
RF Antenna	External (optional)
Interfaces:	UART 9600 Baud 8 N 1 USB HID (Keyboard emulation)

*Reading distance depends on tag and environmental conditions

Mechanical specifications	
Dimensions (Lx Bx H)	31 x 26 x 4 mm
Weight	4 g

Environmental conditions	
Operating temperature	- 20°C up to + 65°C
Storage temperature	- 20°C up to + 70°C
Humidity	Up to 95%, non condensing

Supported Standards	
LEGIC® Prime	LEGIC® MIM 256 / MIM 1024
ISO 14443 A / B and compatible	LEGIC® Advant 1024 / 2048 MIFARE® Classic/1K/4K MIFARE Ultralight®/C MIFARE® DESFire® EV1/2M MIFARE® Plus S / X NTAG 21x
ISO 15693 and compatible	LEGIC® Advant 1024 / 2048 NXP I-Code SLI NXP I-Code SLI-S NXP NTAG 20x
NFC ISO 18092	
Inside contactless	HID iClass (UID only)
Sony Felica	(UID only)
ISO18000	

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