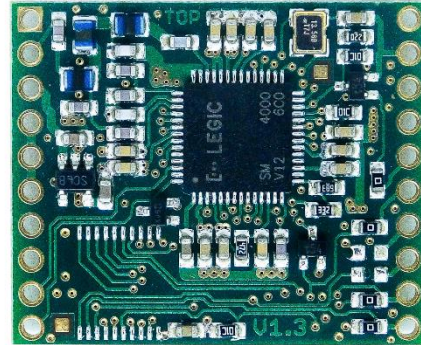


Datasheet

RFID module LEGIC App



The RFID module LEGIC App is an inexpensive RFID module based on the LEGIC SM-4x00 chip series.

The compact size and a power supply of 3.3V to 5V enable a significant advantage over conventional modules.

By directly accessing the LEGIC chip, applications can be implemented independently.

Highlights:

- Direct access to the LEGIC chip
- Red mode and read/write mode
- Support for all common 13.56MHz RFID technologies and NFC
- Available with different LEGIC chips of the SM-4x00 series
- Support of external antennas with 50 Ohm
- Low power consumption

Available versions
SM-4200
SM-4200M
SM-4500
SM-4500M

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Technical specifications	
Operating voltage	5V via USB 3,3V – 5V DC (± 5%)
Power consumption	<105 mA
Frequency	13,56 MHz
Operating distance	Up to 8 cm*
RF Antenna	External (optional)
Interfaces:	UART 38.400 bit/S

*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 + 60°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	