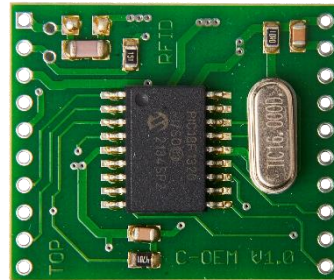


Datasheet

RFID module 125kHz



The RFID module 125kHz by Smart Technologies is designed for integration into terminals or handheld readers.

The 125kHz RFID module can be used as an EM or Hitag module. It can read all common transponders or ISO cards from the EM / Hitag 1 / Hitag 2 range.

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

Highlights:

- Custom-specific outputs can be realized
- Reading mode
- External antenna available
- Supported for all common EM / Hitag 1 / Hitag 2 tags
- Support for external antennas
- Low power consumption

Smart Technologies ID GmbH
Tichelweg 9
47626 Kevelaer

Tel.: +49 2832 973 20 52
E-Mail: info@smart-technologies.eu
Web: www.smart-technologies.eu

Technical specifications	
Betriebsspannung	5V DC (\pm 5%)
Operating voltage	<125 mA
Power consumption	125 kHz
Frequency	Up to 10 cm*
Operating distance	External (optional)
RF Antenna	UART 9600 Baud 8 N 1

* Reading distance depends on tag and environmental conditions

Mechanical specifications	
Dimensions (Lx Bx H)	31 x 26 x 6 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
RoHs compliant	

Supported Standards
EM4X00
Hitag 1
Hitag 2