

Q5 125kHz RFID IC Read/Write 330 bits

Features

- Page 0: 264 bit EEPROM, (224 bit user memory + 8x1bit OTP function, 32 bit configuration)
- Page 1: 64 bit serial number (access read only only with specific command) + 2x1bit locked
- Typical operating frequency : 125kHz
- Contactless power supply, very low power
- Several options of data rate and coding type (*option selected by the user*)
 - Data Rate : 1 to 62kbaud
 - Modulation type : FSK, Manchester, Biphase, PSK or NRZ
 - Standard Sokymat configuration : Manchester, 2kbaud (*Unique code like*)
- Operating Mode:
 - Max block feature : define the number of readable blocks
 - Password Mode : allows reading one word after password check
 - Direct Access Mode : allows reading one word without check of password
 - Answer On Request : modulation of transponder in the field on Request only
 - Modulation Defeat : command to stop modulation of transponder in the field
 - Inverse data output : inverse the data stream
 - Fast write method : allows division of the programming time by 2
 - Write protection : command to lock the words independently from one another
 - Sequence terminator: special feature

Memory Organisation

	L			
Page 1	1	1	Serial number	Block 1
		1	Serial number	Block 0
Page 0		0	User data or password	Block 7
		0	User data	Block 6
		0	User data	Block 5
		0	User data	Block 4
		0	User data	Block 3
		0	User data	Block 2
		0	User data	Block 1
		0	Configuration Data	Block 0

L = lock bit for OPT feature (1=locked)

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