

HITAG 1

125kHz RFID IC

Read-Write 2k bits

Features

- 2k bits EEPROM memory, 16 blocks of 4 pages each, 1 page include 32 bits
- 32 bits unique factory programmed serial number
- Typical operating frequency : 125kHz
- Contactless power supply, very low power ($I_{read}=9\mu A_{max}$, $I_{write}=25\mu A_{max}$)
- Manchester encoding type, data rate : 4 kBd
- Memory area write protection
- Anticollision protocol
- Mutual Authentication
- Encrypted data communication

Memory Organisation

0		31
Block 0	Traceability data	Public, Read Only
	Traceability data	Public, Read Only
Block 1	Security data, configuration	Secret, Read/Write or Read protected or Read and Write protected
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Block 3		
Block 4	User data	Secret or public, Read/Write or Read Only
.		
.		
Block 7		
Block 4	User data	Public, Read/Write
.		
.		
Block 15		

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CLF 3.3.5.1	Version : 2	Validation : 01.10.2001	By : VMB
Public Use	Accomplishment : Final	Status : Released	DefKey : 6808

