

# 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
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