

HITAG 2

125kHz RFID IC

Read-Write 256 bits

Features

- 256 bits EEPROM memory organized in 8 pages of 32 bits each
- 32 bits unique factory programmed serial number
- Typical operating frequency : 125kHz
- Contactless power supply, very low power ($I_{read}=7\mu A_{max}$, $I_{write}=20\mu A_{max}$)
- Manchester or Biphase encoding type, data rate : 2 or 4 kBd
- Different operating mode :
 - Crypto Mode : encrypted data communication
 - Password Mode : Password check before writing or reading data
 - Public Mode A : Emulate Read Only 64 bit Manchester, 4kBd devices
 - Public Mode B : ISO compatible to the norm 11784/785
 - Public Mode C : Emulate the Philips family PIT PCF7930/31

Memory Organisation

	0	31
Page 0	Serial Number	Read Only
Page 1	Security data, configuration	Read/Write or Write protected or Read and Write protected
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Page 3		
Page 4	User data	Read/Write or One Time Programmable
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