IC Information

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

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<th>Page</th>
<th>Serial Number</th>
<th>Read Only</th>
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<tr>
<td>Page 0</td>
<td>Security data, configuration</td>
<td>Read/Write or Write protected or Read and Write protected</td>
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<td>Page 1</td>
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<td>Page 3</td>
<td>User data</td>
<td>Read/Write or One Time Programmable</td>
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