Vigo 1.6k bit R/W
ISO15693 13.56 MHz
RFID IC

Main Features

- ISO 15693 / ISO18000-3 standard compliant
- Operating frequency: 13.56MHz
- Long range, low power vicinity
- 64 bits ISO15693 UID
- 1664 bit EEPROM user memory (52 blocks of 32 bits)
- Fast Read Multiple Block mode (53 kbit/s or 13 kbit/s)
- EEPROM locking mechanisms
- 32 bit password to protect functionality and data
- EAS and AFI features
- 60 years memory data retention
- -40°C + 85°C operating temperature

Memory Organization

The chip memory is composed of 2 areas:

- User Memory from Block 0 up to Block 51
- Configuration area

A memory block is composed of 4 bytes (32 bits).
A memory page is composed of 4 blocks.

Bit31 Bit0	Block	Page	
User Block 0	0	0	
User Block 1	1		
User Block 2	2		
User Block 3	3		
User Block 44	44	11	User's Data Memory
User Block 45	45		
User Block 46	46		
User Block 47	47		
User Block 48	48	12	
User Block 49	49		
User Block 50	50		
User Block 51	51		
Memory configuration Area			

Application

- Brand protection
- Library management
- Archives and collections
- Long-term asset management
- Pharmaceutical