Vigo 1k 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
- 1024 bit EEPROM user memory (32 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 31
- 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		
User Block 1		1	0	
User Block 2		2		
User Block 3		3		
....		....	....	User's Data Memory
User Block 24 / EAS		24		
User Block 25 / EAS		25	6	
User Block 26 / EAS		26		
User Block 27 / EAS		27		
User Block 28 / EAS		28		
User Block 29 / EAS		29	7	
User Block 30 / EAS		30		
User Block 31 / EAS		31		
Memory configuration Area				

Application

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