1. Overview

KRF-WXYZ series are powerful, highly qualified & sophisticated access control systems dedicated to all application requiring high level of security providing highly secure access for mainly door access control, time & attendance and parking system
It read and write ISO14443A and ISO14443B card through TCP/IP or RS232C interface

2. Product Package

KRF-WXYZ , LAN-CABLE(Direct) , AC Adapter

3. GENERAL SPECIFICATIONS

3.1. Power Supply	: AC 100 - 240V(DC output 9V)
3.2. Current Consumption	: Max 400 [mA]
3.3. Reading Distance	: up to 30[mm]
3.4. Communication	: TCP/IP 10/100 Base-T auto detection
3.5. Card Operation Frequency	: 13.56Mhz ± 5%
3.6. Indicator(LED/Beeper)	: Power / Good / Error
3.7. Environmental Conditions	: Operation -10 ~ 55℃, 20 ~ 80% RH (without dew forming)
	: Storage -20 ~ 70℃, 0 ~ 95% RH (without dew forming)

3.8. ANTI-Collision procedure support
3.9. Authentication algorithm
3.10. Based on ISO/IEC-14443A (transparent made and “T=CL”)

Information to the user

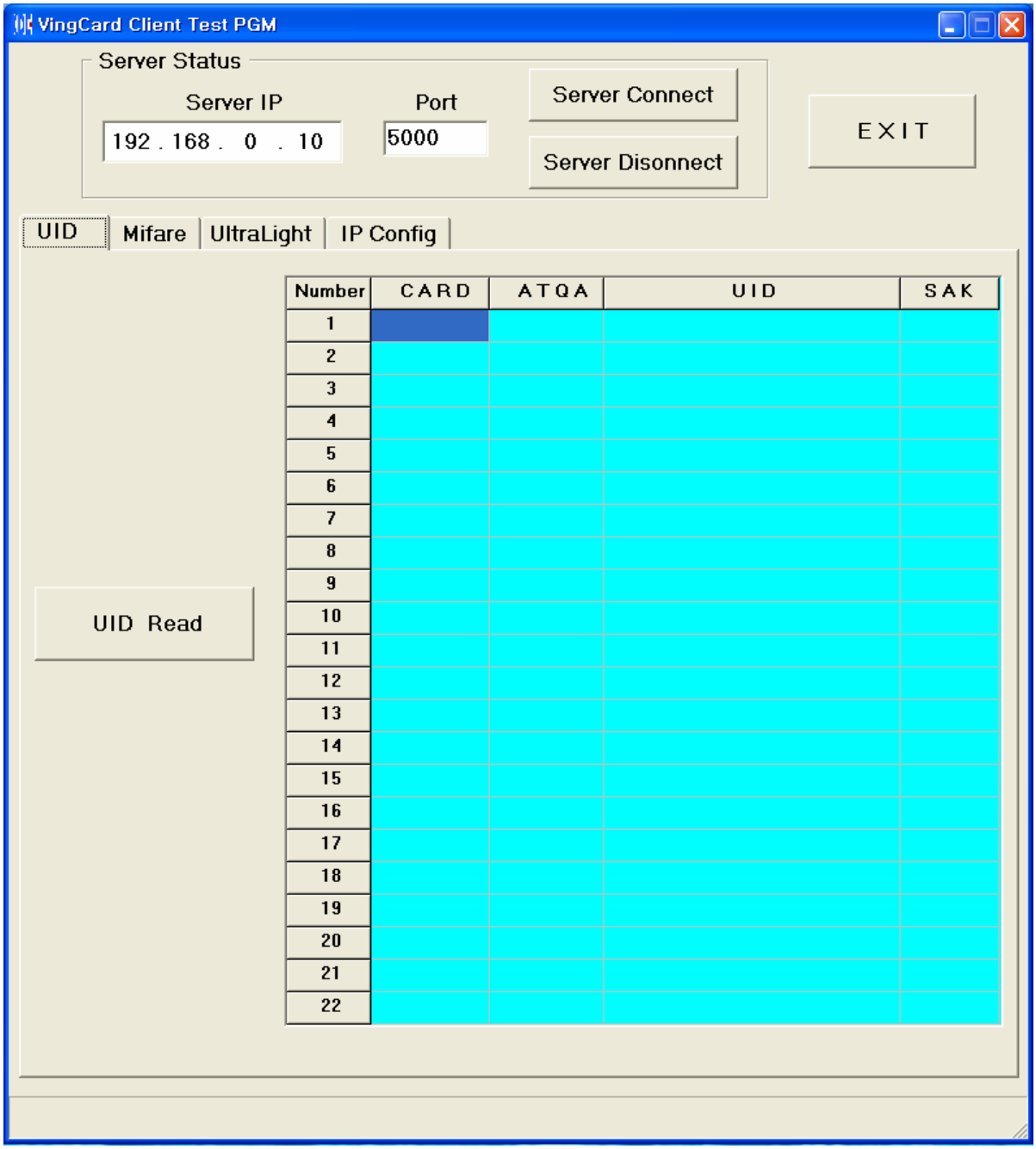
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION : Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

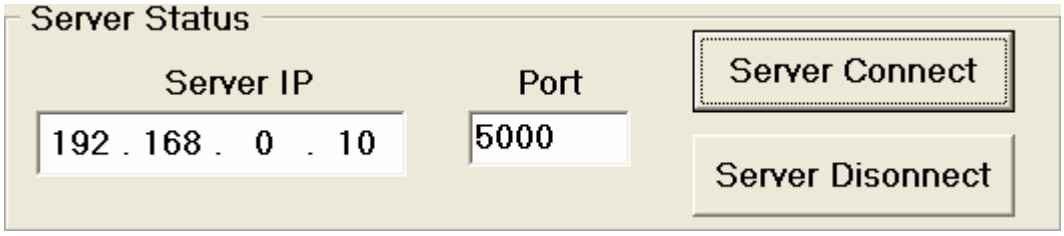
4.Operation

4-1. Program initialize screen



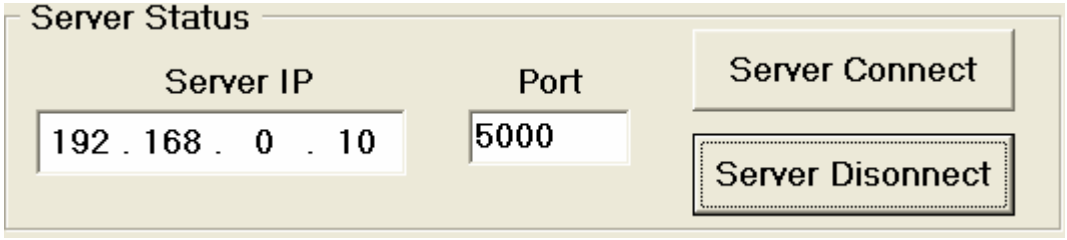
4-2. Server-Connect

Input server's IP, Port number (1~65535) and click <Server Connect> before connecting the server.



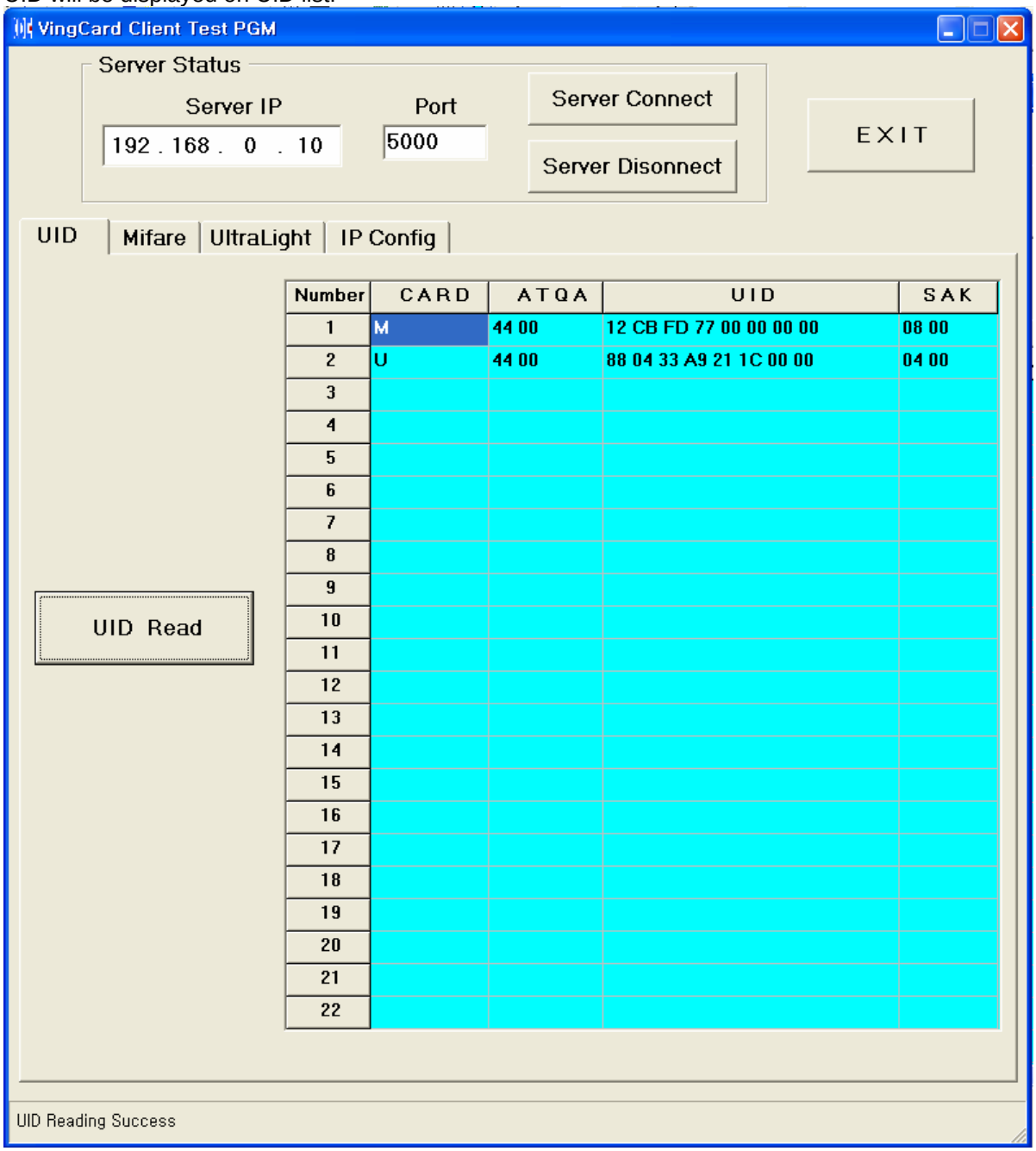
4-3. Server-Disconnect

Click <Server Disconnect> to disconnect



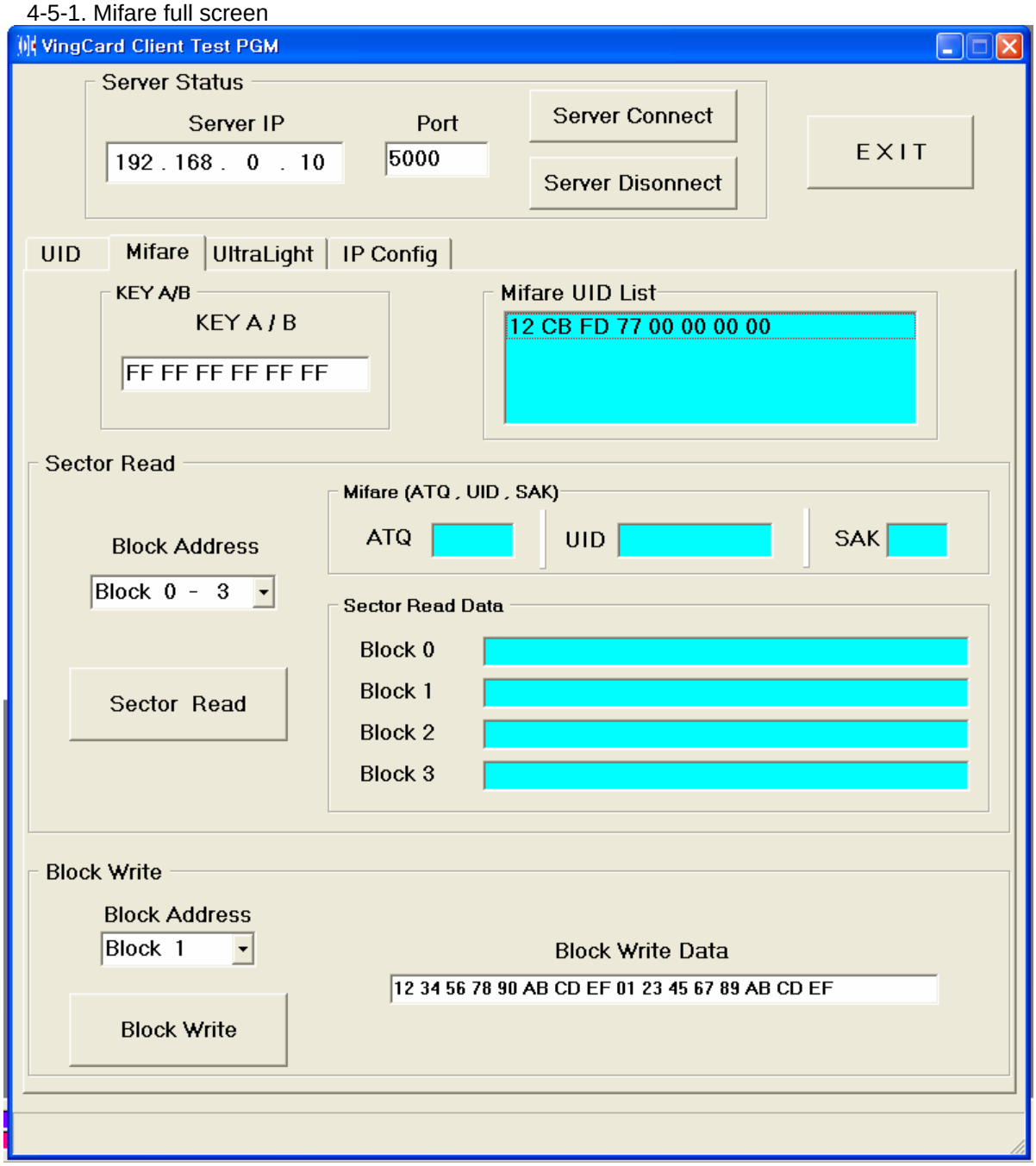
4-4. UID Read

Click <UID Read>, then the readable card type (M : Mifare , U Ultralight) , ATQA , UID , SAK will be showed and UID will be displayed on UID list.



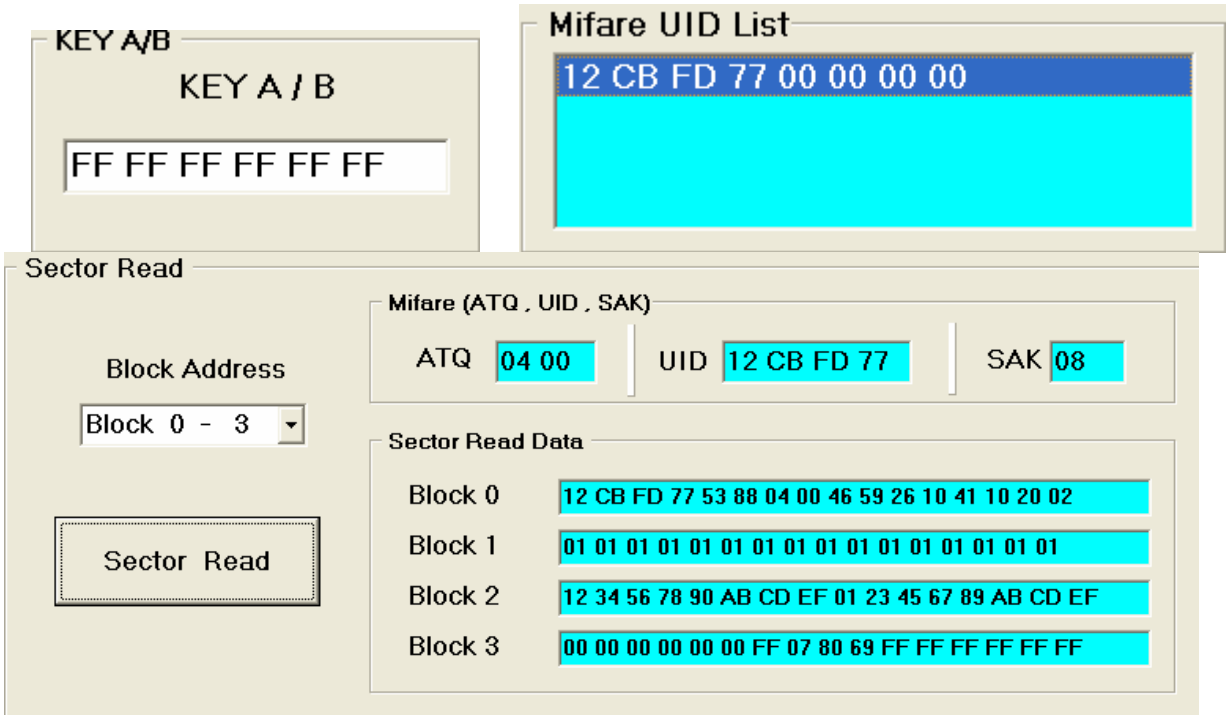
4-5. Mifare

4-5-1. Mifare full screen



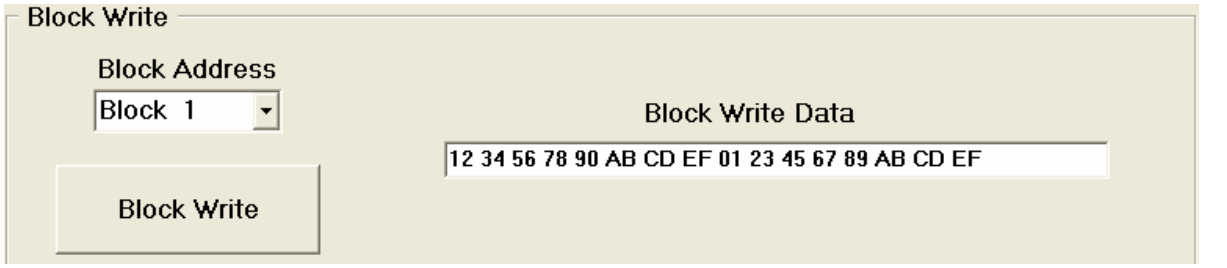
4-5-2 Mifare Sector Read

In Key A/B, select Key value, Mifare UID List's UID, Block Address and click <Sector Read>. Then, ATQ , UID , SAK , Block0 , Block1 , Block2 , Block3 value will be displayed.



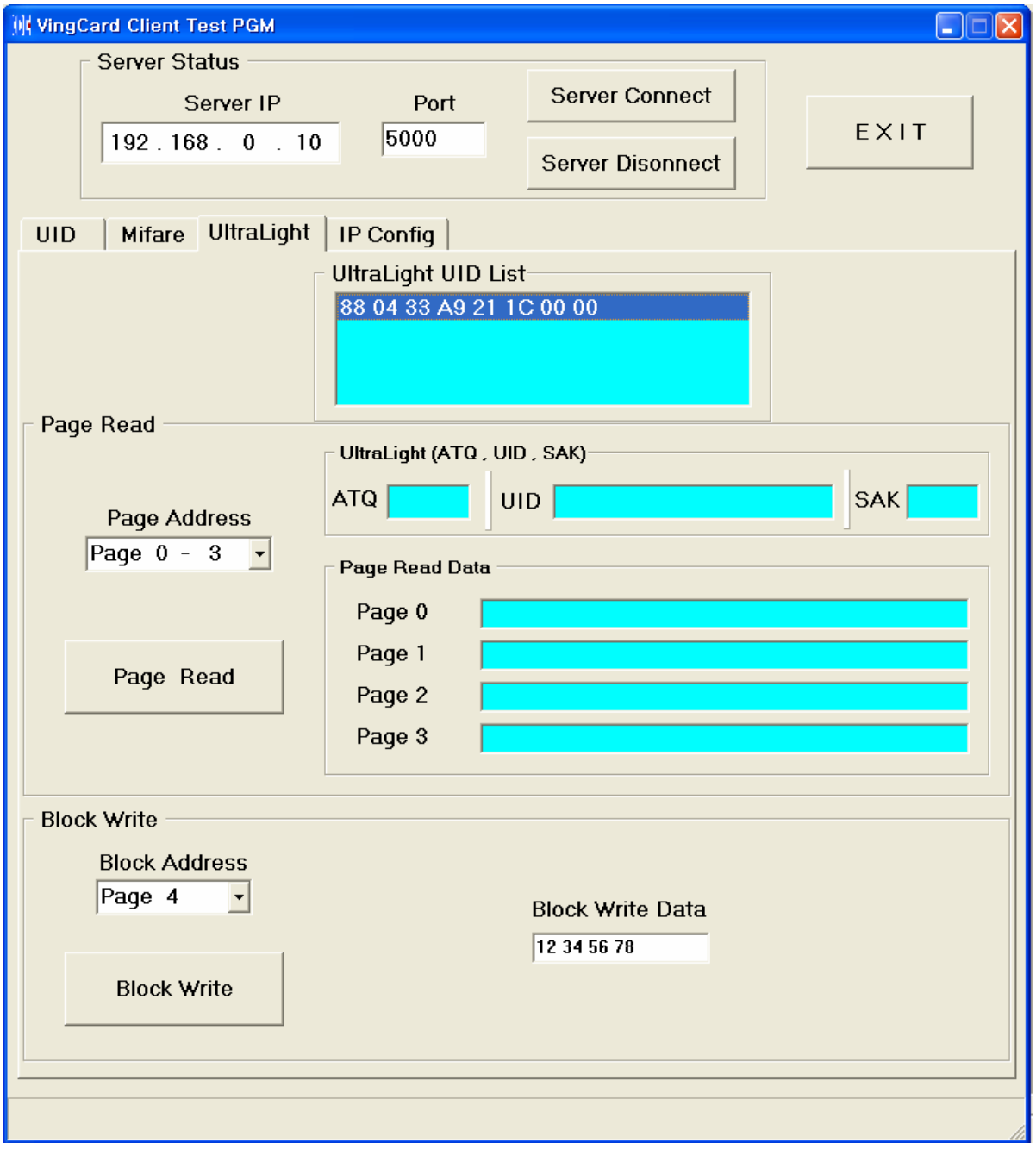
4-6. Mifare Block Write

In Key A/B, select Key value, Mifare UID List의 UID, Block Address and click <Block Write> button after input Block Write Data.



4-7. Mifare UltraLight

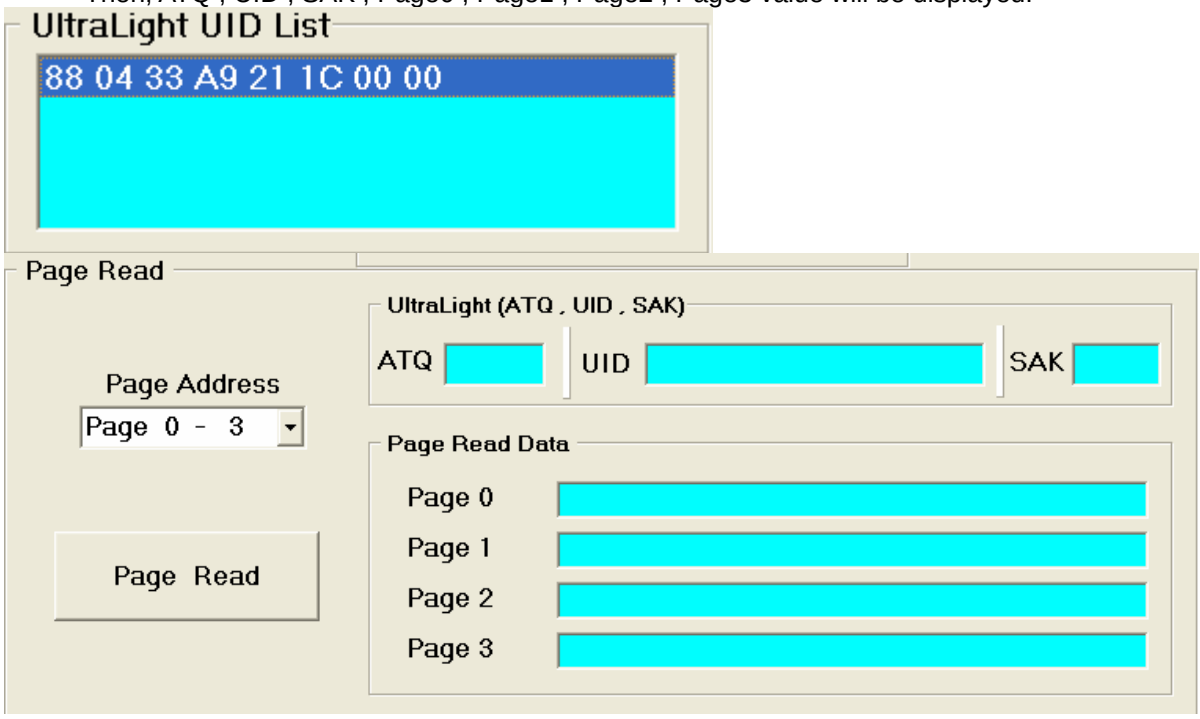
4-7-1 Mifare UltraLight full screen



4-7-2. Page Read

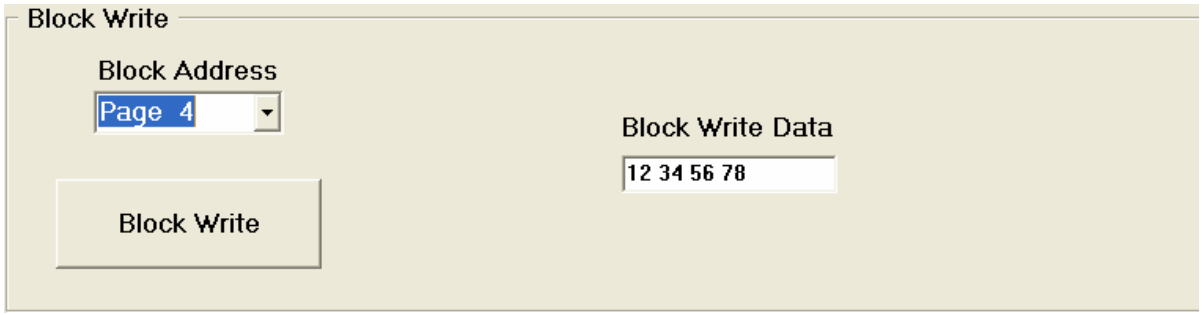
Select UltraLight UID List's UID, Block Address and click <Pager Read>.

Then, ATQ , UID , SAK , Page0 , Page1 , Page2 , Page3 value will be displayed.



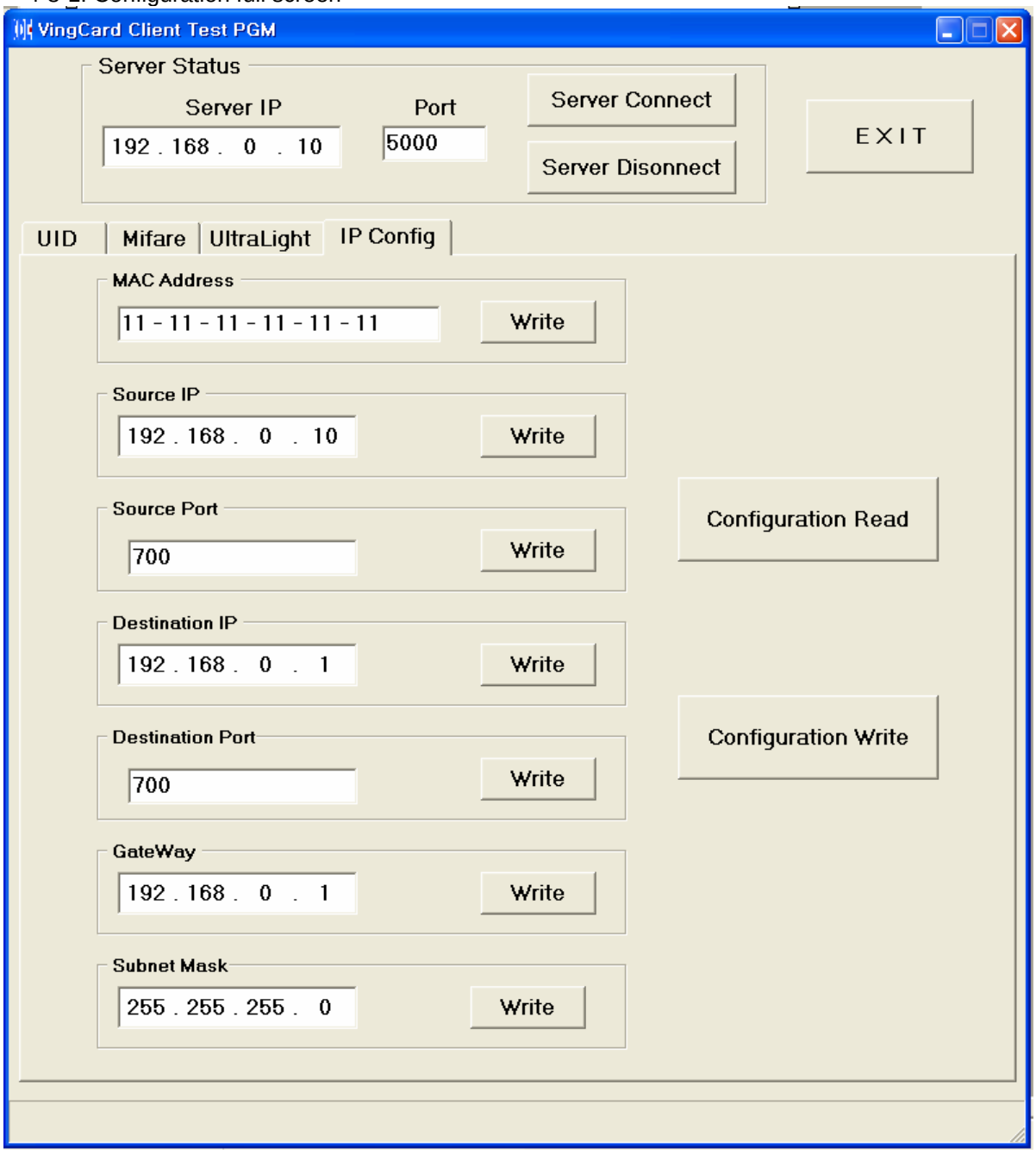
4-7-3. Block Write

Select UltraLight UID List's UID, Block Address and click <Block Write> button after input Block Write Data.



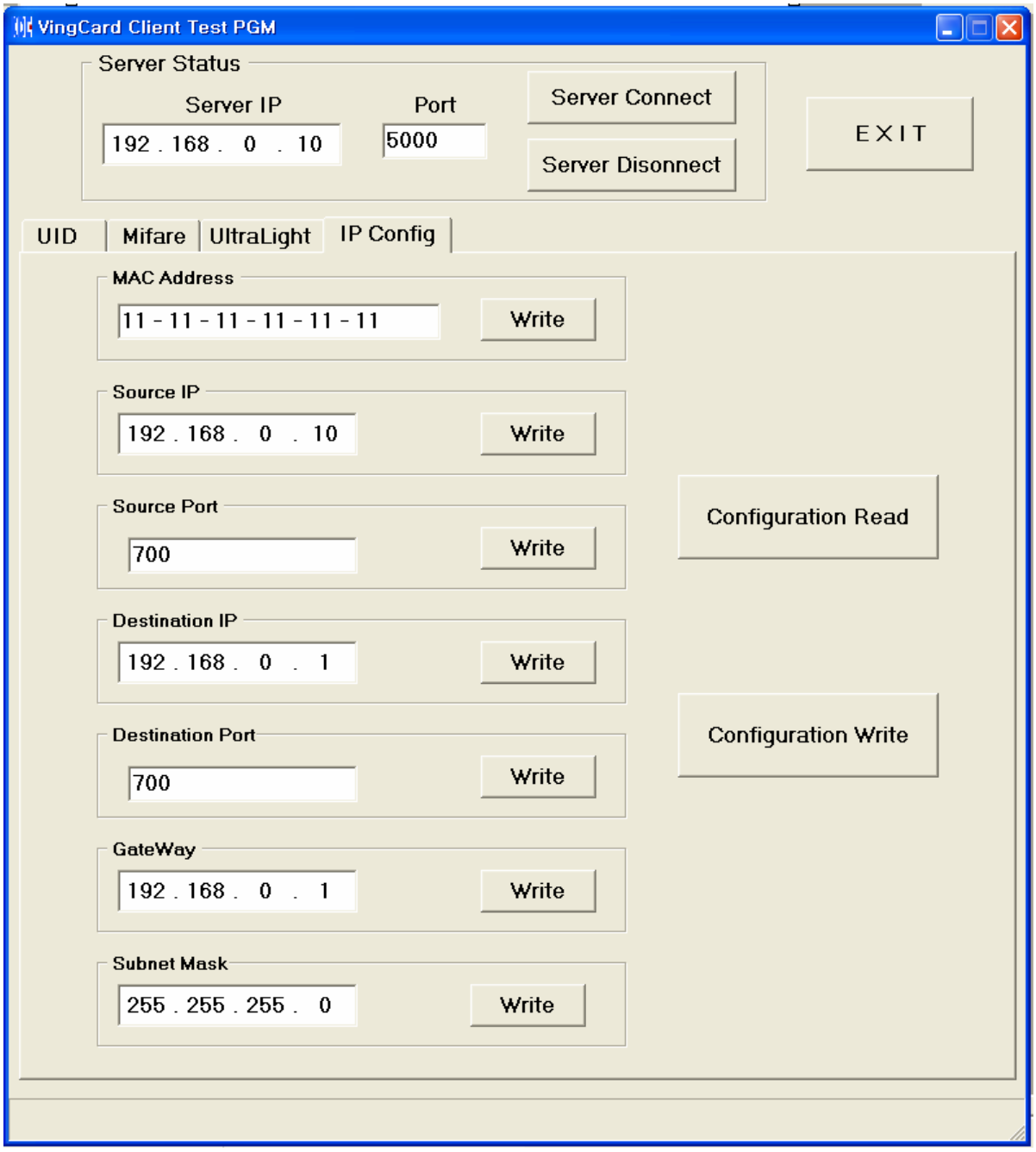
4-8. Configuration

4-8-1. Configuration full screen



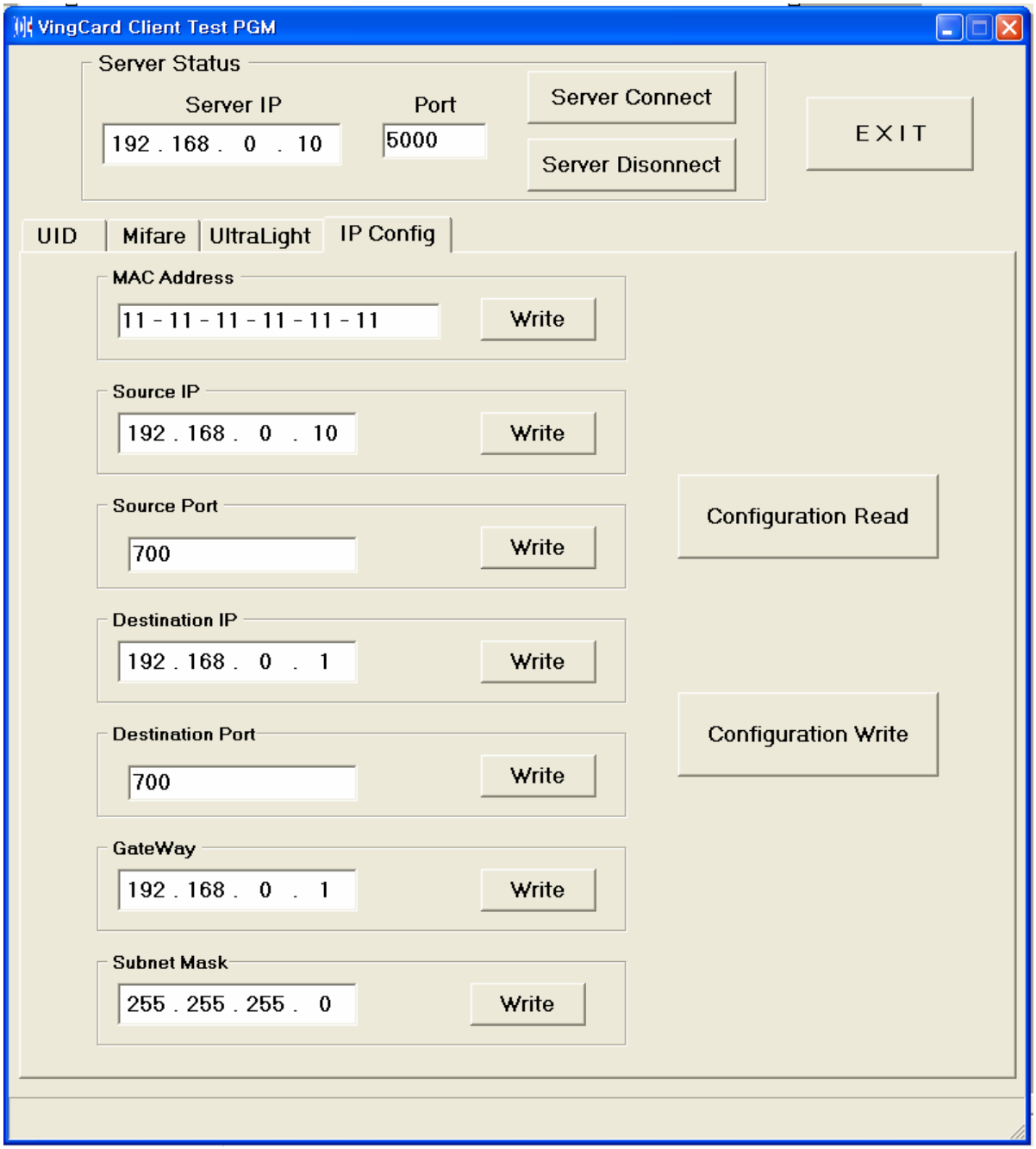
4-8-2. Configuration all Read

Select IP from Client Status and click <Configuration Read> button.
MAC Address , Source IP , Source Port , Destination IP , Destination Port ,
Gateway , SubnetMask value will be displayed.



4-8-3. Configuration all Write

Select IP from Client Status and change Source IP , Source Port , Destination IP , Destination Port , Gateway , SubnetMask. Then, click <Configuration Write> button.



4-8-4 MAC Write

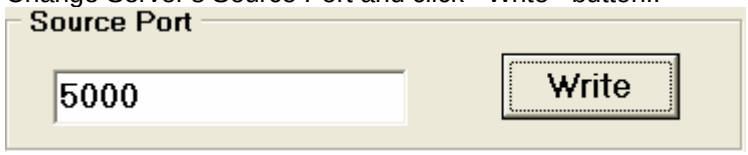
Click <Write> button for the connected server's MAC..

4-8-5. Source IP Write

Change Server's Source IP and click <Write> button.

4-8-6. Source Port Write

Change Server's Source Port and click <Write> button..



4-8-7. Destination IP Write

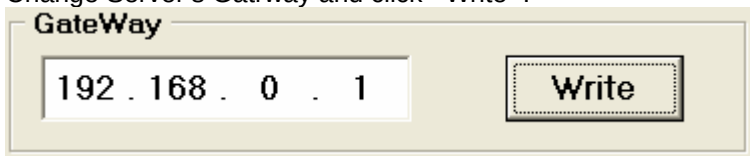
Change Server's Destination IP and click <Write> button.

4-8-8. Destination Port Write

Change Server's Destination Port and click <Write>.

4-8-9. Gateway Write

Change Server's Gatrway and click <Write>.



4-8-10. SubnetMask Write

Change Server's Subnetmask and click <Write>.