



SNMP Card II

STATYS XS – SNMP HTTP AGENT

GB

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ELECTRONIC EMISSION NOTICE

Federal Communications Commission (FCC)

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 when the equipment is operated in a commercial environment.

CE Notice

This device complies with the EMC directive of the European Community and meets or exceeds the following technical standard:

- EN 55022:1998-- "Limits and Methods of Measurement of Radio interference Characteristics of information Technology Equipment." This device complies with the CISPR Class B standard
- EN 55024:1998-- "Electromagnetic compatibility-- Generic immunity standard Part1: Residential, and light industry."

SAFETY INFORMATION

For SNMP CARD (Card Type)

- All the service of this equipment must be perform by qualified service personnel. Remove rings, watches and other jewelry before servicing the unit

1. WELCOME

1.1. Introduction

SNMP CARD – acronym for STATYS XS SNMP and HTTP Agent. It displays the STATYS XS status and issue commands to the STATYS XS. User can use SNMP managers or Web browsers to manage the STATYS XS through an Ethernet.

SNMP CARD II:

The SNMP Card II is an internal card (as shown in Figure 1-1) designed for STATYS XS models, where the SNMP Card can be inserted into the extension slot of the STATYS XS.

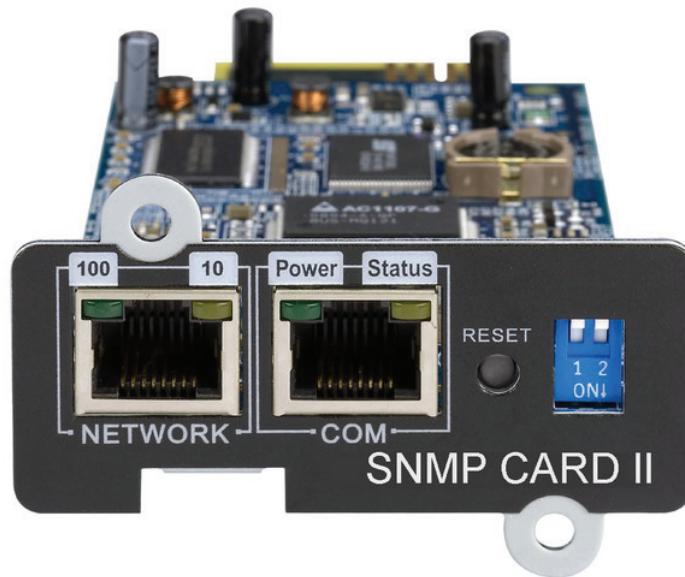


Figure 1-1 SNMP CARD (Card Type)

1.2. SNMP CARD II Resources

The SNMP CARD CD-ROM contains Upgrade software, Quick Installation Guide, User Guide, MIB files, central management software-Remote View & manual.

1. SNMP CARD Quick Installation Guide is a startup guide on installing and configuring a SNMP CARD using a Windows OS workstation.
2. SNMP CARD User Guide provides user with details and information on installation and configuration of SNMP CARD.
3. SNMP CARD online help is available providing additional instructions not found in the manual.

1.3. SNMP CARD Package Contents

1. SNMP CARD with mounting bracket
2. SNMP CARD CD-ROM containing Upgrade software, Quick Installation Guide, User Guide, MIB files. If not available please refer to www.socomec.com/download-ups-software_en.html

FEATURES

- Network connection through RJ45 connector

Allow the STATYS XS to connect directly to the network through a RJ45 connector without using RS232 ports on the computer and without loading any individual STATYS XS management software on the network server.

- Network management

Allow remote management of the STATYS XS from any workstation through Internet or Intranet.

- Remote monitoring via SNMP, HTTP

Allows monitoring of the STATYS XS using SNMP CARD MIB (Management Information Base) – via SNMP CARD and Internet Browser.

- Configure STATYS XS and SNMP CARD functions from any client (password protected)

Set STATYS XS and SNMP CARD parameters from any SNMP management station or through Internet Browsers using HTTP forms and objects.

- Keep event logs & metering data in flash memory

Provide event log of STATYS XS power parameters, power quality, STATYS XS status.

... also

- Notification of system administrator via SNMP Traps
- RTC supported
- Telnet support for configuration
- BOOTP/DHCP supported
- Online configuration supported
- Enhanced HTTP security
- No restart needed for IP change
- System parameters/log write to flash memory simultaneously
- SSH and SSL supported
- Can connect an EMD (Environmental Monitoring Device) to detect the temperature and humidity.
- NTP & ICMP supported
- SNMP V3 supported
- IPV6 supported

1.4. System Application

SNMP CARD is a communication interface between STATYS XS and the network. SNMP CARD supports two kinds of protocol – SNMP and HTTP for user access. Through the SNMP NMS and Web Browser, user can obtain the STATYS XS status, issue commands to STATYS XS and setup the SNMP CARD through the network.

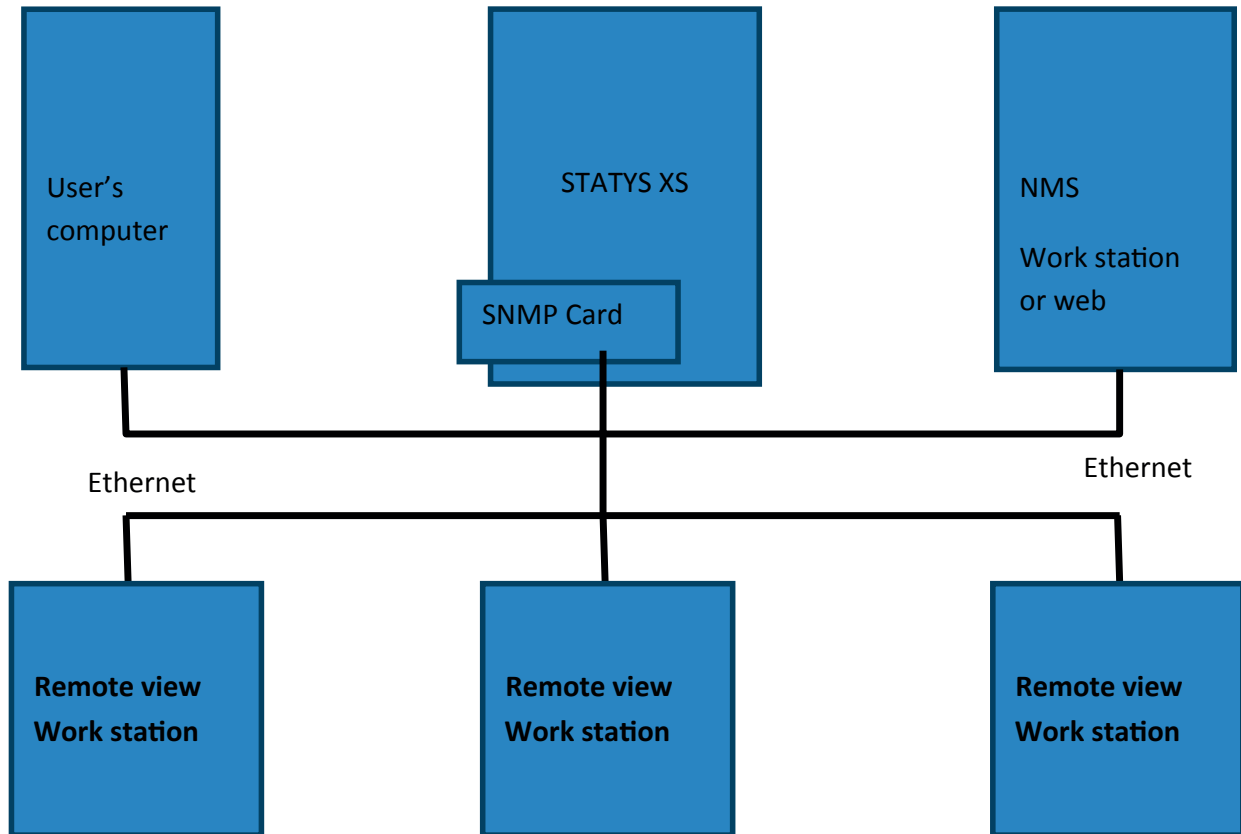


Figure 1-2 SNMP CARD System Application Diagram

2. CONNECT SNMP CARD TO THE NETWORK

2.1. What you need

To install SNMP CARD on a network and change its default configuration, you need a workstation running Microsoft Windows. If you are using dynamic IP addressing, all you need is a workstation with a Web Browser.

2.2. Hardware Installation

1. Mount the SNMP CARD to SNMP CARD bracket provided.
2. Insert the SNMP CARD into the STATYS XS external communication slot. (Figure 2.1)
3. Tighten the screws of the SNMP CARD bracket.

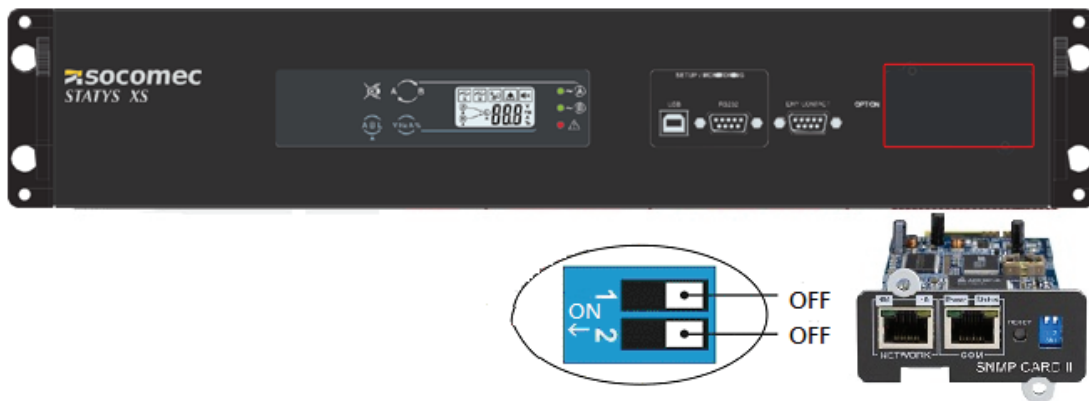
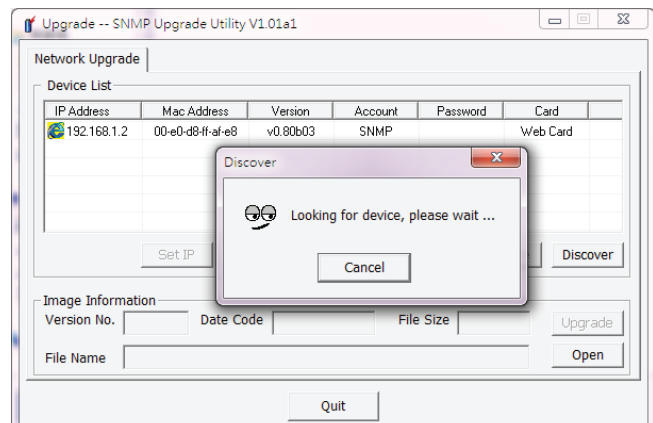
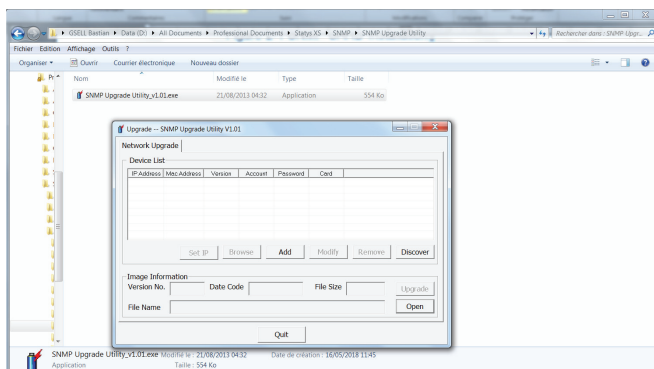


Figure 2-1 SNMP CARD Installation

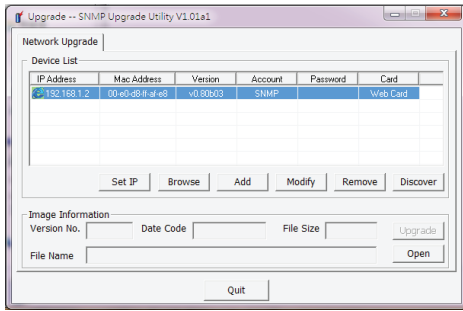
2.3. SNMP Card Configuration

Upgrade tool

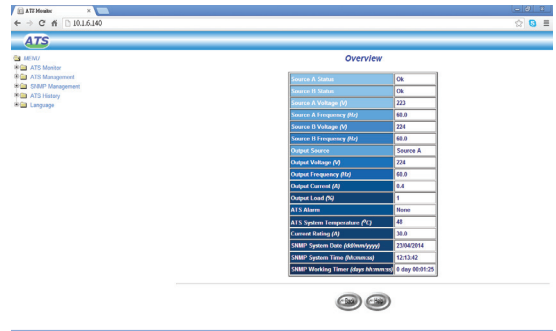
1. Copy the Upgrade utility to the desktop
2. Click Discover to search SNMP card IP address



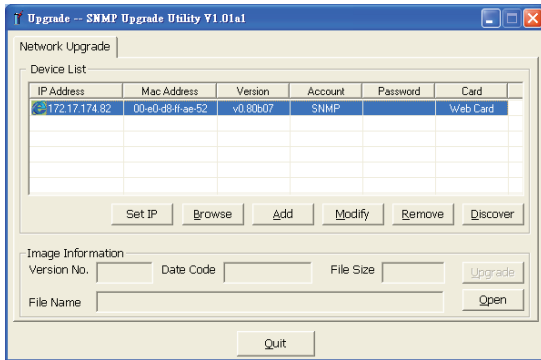
3. Click Browse to open webpage (support DHCP)



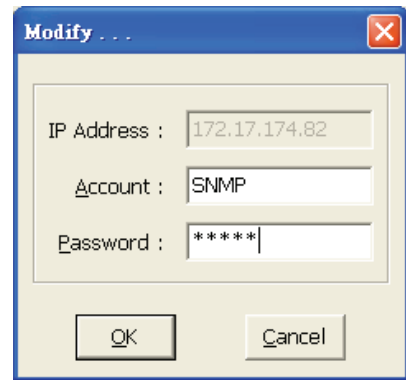
4. The webpage display the SNMP overview



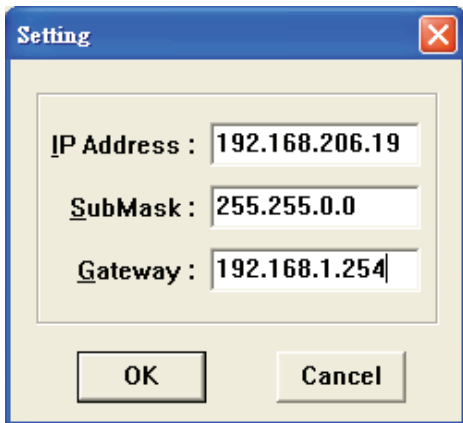
5. If DHCP is disable, please click "Modify" to create the setting page.set Account and Password



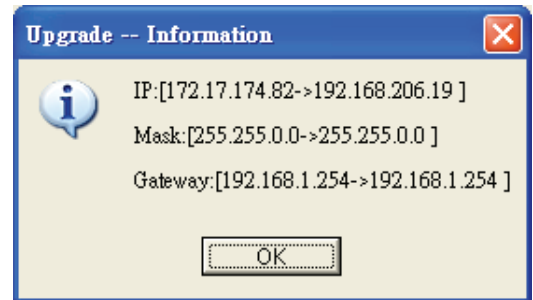
6. (Default Account: SNMP / Password: admin)



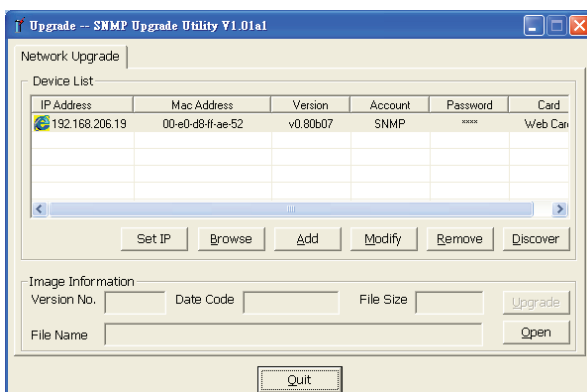
7. Click "Set IP" to input the "IP - SubMask - Gateway"



8. Press "OK"



9. Modify IP successfully



2.4. SNMP CARD Configuration through TELNET command

4. Make sure that you have a TCP/IP network already installed.
5. Run command shell
6. SNMP CARD will initially try to acquire an IP address from the DHCP network service, if available on the network.
7. Type “Telnet <IP address obtained from DHCP>” and press enter.
8. If DHCP network service is not available on the network, contact your network administrator to get an IP address for you workstation that has the same network’s address as the SNMP CARD’s default IP address. The SNMP Card default IP address is 172.17.XXX.ZZZ where XXX and ZZZ is the last two pairs of the MAC address in decimal located on the SNMP CARD.
9. Type “Telnet 172.17.XXX.ZZZ” command and press enter. Password is admin.

2.5. SNMP CARD Configuration through a Web Browser

HARDWARE PREPARATION OF SNMP CARD

1. Procure a workstation with Ethernet card and Web Browser installed.
2. Connect the network cable (twisted-pair cable) from the workstation’s LAN port to an active 10/100-hub port.
3. Connect another network cable (twisted-pair cable) from the SNMP CARD LAN port to an active 10/100-hub port.
4. Set the SNMP CARD DIP-switches, the switches 1 and 2 are OFF.
5. Turn on the STATYS XS and wait for SNMP CARD to boot up (around 90 seconds).

CONFIGURATION THROUGH A WEB BROWSER

Normally, the first time you use SNMP card, the workstation is unable to communicate with the SNMP card as they are not in the same IP subnet. However, you may use the “route add” command to configure the network routing table in the workstation to complete the SNMP card’s configuration. If the IP address of the machine is in the same subnet as SNMP, just run the web browser.

1. Using a workstation running on Microsoft Windows set up the TCP/IP protocol.
2. Connect the network cable to the Network port of the SNMP card.
3. Run command shell and enter the following command to add a routing condition:

```
Route add 172.17.7.18 210.67.192.147
```

Assume the IP address of the workstation is 210.67.192.147.

Note: The SNMP Card default IP address is 172.17.XXX.ZZZ where XXX and ZZZ are the last two pairs of the MAC address in decimal located on the SNMP CARD.

Example: MAC address: 00 E0 D8 04 0A 15, IP address: 172.17.10.21

RUNNING THE WEB BROWSER (INTERNET EXPLORER OR CHROME)

1. Make sure that you have a TCP/IP network already installed.
2. If there is no DHCP network service on the network, contact your network administrator to get an IP address for you workstation that has the same network’s address as the SNMP CARD’s default IP address. The default IP address of SNMP CARD is 172.72.XXX.ZZZ where XXX and ZZZ are the last two pairs of the MAC address in decimal located on the SNMP CARD.
3. Start your Web Browser.
4. Enter the URL “http://172.72.XXX.ZZZ” in the address box where XXX and ZZZ is the last two pairs of the MAC address of SNMP CARD in decimal.
5. The SNMP CARD home page will be shown as below. (Figure 2-3)

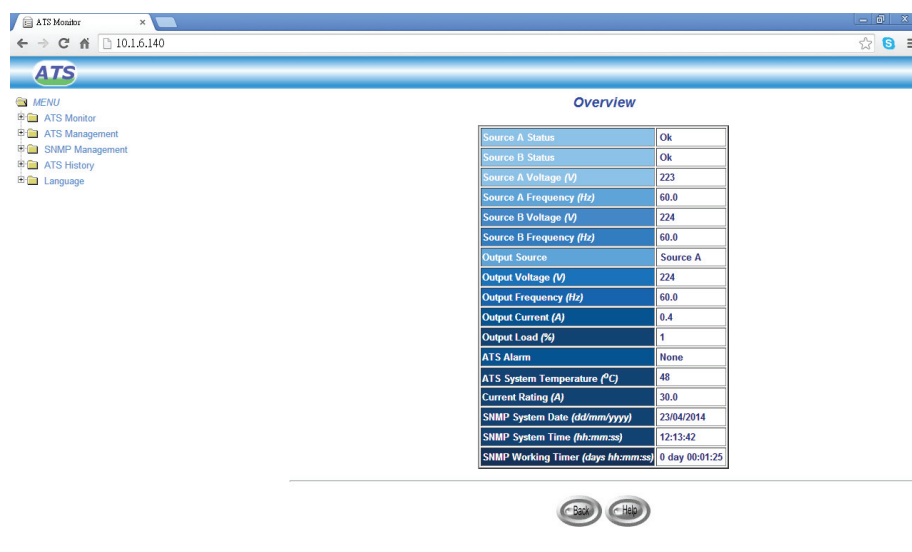
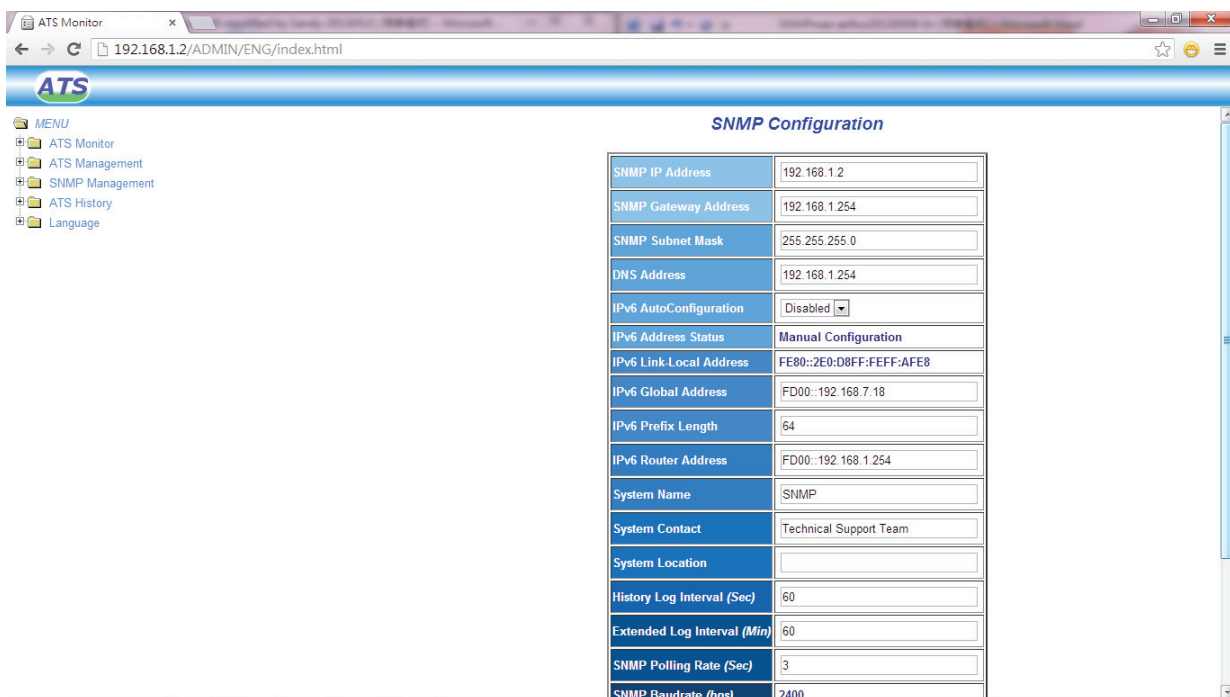


Figure 2-3 SNMP CARD home page screen: Overview.

2.6. SNMP CARD Initial Configuration

1. Select SNMP CARD Configuration from the SNMP CARD Management of the main menu to setup the network configuration parameters (Figure 2-4).
2. Click the Become Administrator button at the bottom of the screen. Enter SNMP as the login name and admin as the password. (Case sensitive)
3. Enter the SNMP CARD IP address.
4. Enter the SNMP CARD Gateway Address in the network.
5. Enter the SNMP CARD Subnet Mask of the network.
6. Click the Set Values to save the settings.
7. Select Date and Time from the SNMP CARD Management of the main menu and enter the appropriate date and time information in the specified format.
8. Select Set Values to save the date and time settings.
9. Select SNMP CARD Control to enable or disable the network protocols (Figure 2-5).
10. Select Apply to save the changes.



SNMP Configuration	
SNMP IP Address	192.168.1.2
SNMP Gateway Address	192.168.1.254
SNMP Subnet Mask	255.255.255.0
DNS Address	192.168.1.254
IPv6 AutoConfiguration	Disabled
IPv6 Address Status	Manual Configuration
IPv6 Link-Local Address	FE80::2E0:D8FF:FEFF:AFE8
IPv6 Global Address	FD00::192.168.7.18
IPv6 Prefix Length	64
IPv6 Router Address	FD00::192.168.1.254
System Name	SNMP
System Contact	Technical Support Team
System Location	
History Log Interval (Sec)	60
Extended Log Interval (Min)	60
SNMP Polling Rate (Sec)	3
SNMP Baudrate (bps)	2400

Figure 2-4 SNMP CARD initial configuration page screen.

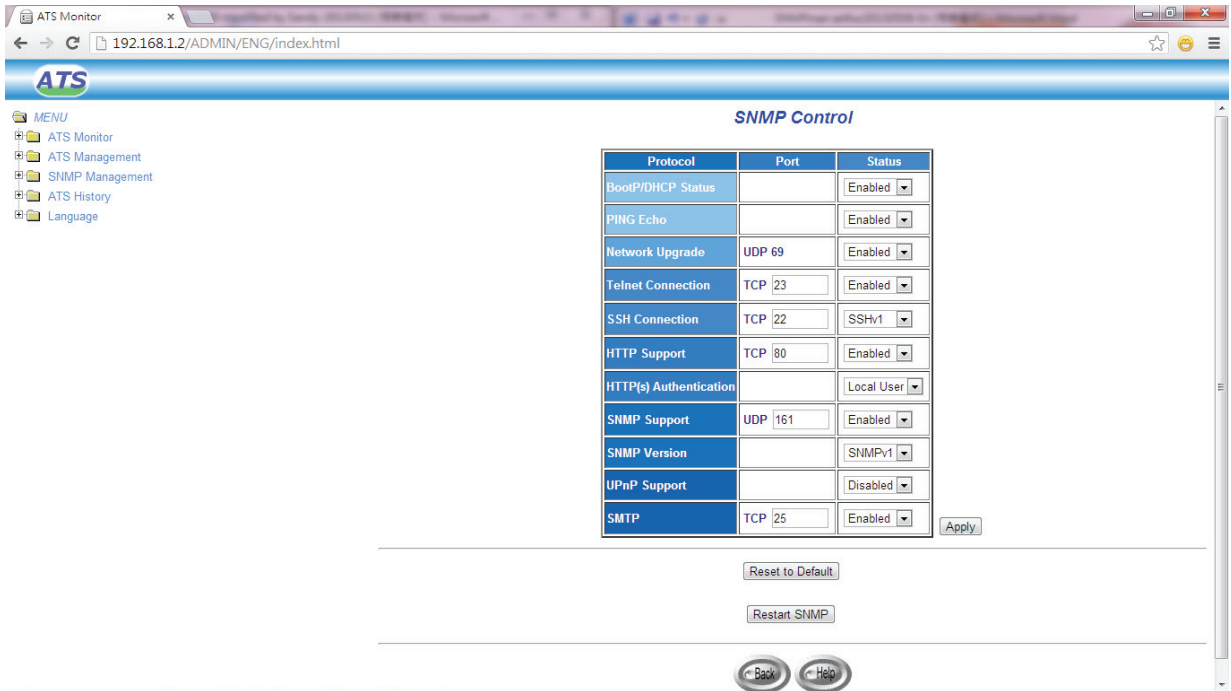


Figure 2-5 SNMP CARD Control page screen.

3. MANAGING SNMP CARD/STATYS XS VIA WEB BROWSER

3.1. Utilising the SNMP CARD Home Page

Start your Web Browser and enter SNMP CARD IP address
The SNMP CARD home page will be shown on the screen.
Select the help icon located at the bottom of each page for a detail description of each item.

3.2. STATYS XS Monitoring

Monitoring STATYS XS Input-output voltage, frequency, current, load, real-time abnormal events, status and parameter settings.

OVERVIEW

This page shows a snapshot of all the main STATYS XS parameters as shown in Figure 3-1. The page will refresh automatically. To set the refresh time, select the menu SNMP CARD Management – Homepage Refresh Rate.

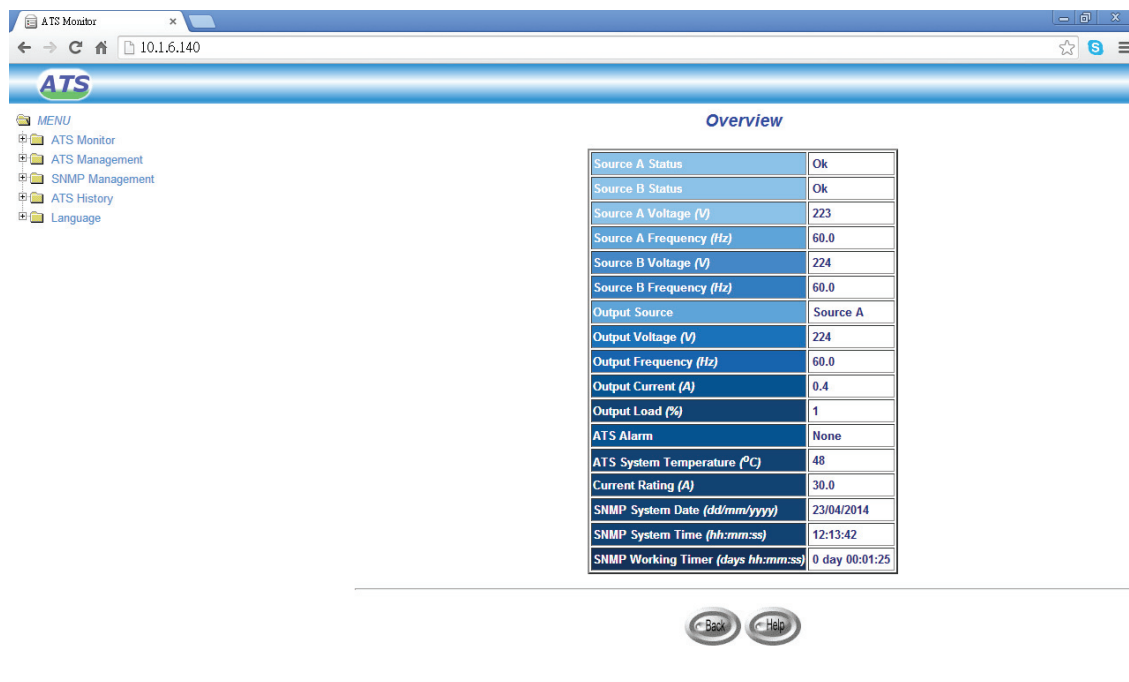


Figure 3-1 SNMP CARD home page screen: Overview.

ATS INFORMATION

Select “ATS Information” from the ATS Monitoring menu of the home page to view ATS and SNMP CARD Identification Parameters (Figure 3-2).

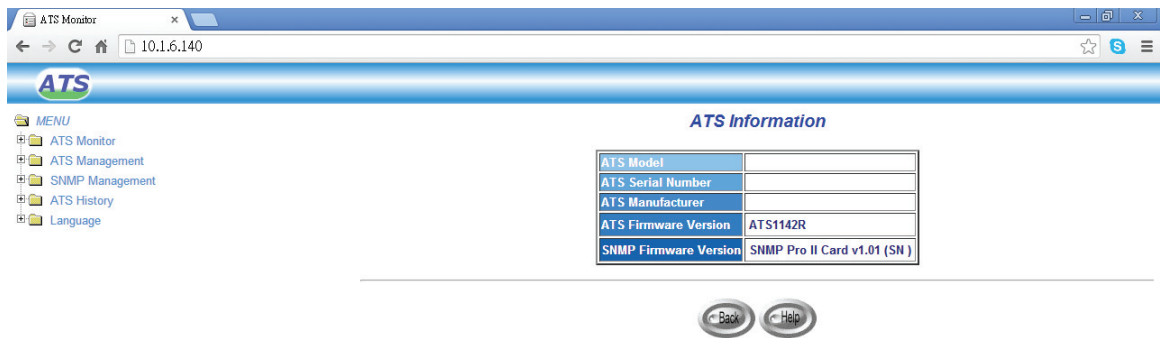


Figure 3-2 SNMP CARD STATYS XS Monitoring page screen: ATS Information

INPUT PARAMETERS

Select Input Parameters from the ATS Monitoring on the main menu to view STATYS XS input parameters (Figure 3-3).

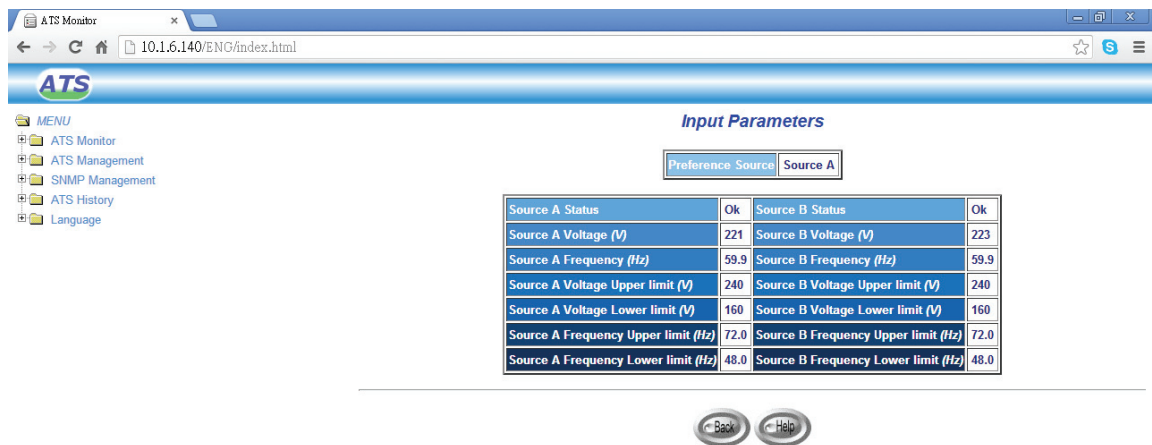


Figure 3-3 SNMP CARD STATYS XS Monitor page screen: STATYS XS Input Parameters

OUTPUT PARAMETERS

Select Output Parameters from the ATS Monitoring on the main menu to view STATYS XS output parameters (Figure 3-4).



Figure 3-4 SNMP CARD STATYS XS Monitor page screen: STATYS XS Output Parameters

SETTING PARAMETERS

Select Setting Parameters from the ATS Monitoring on the main menu to view STATYS XS Setting Parameters (Figure 3-5).

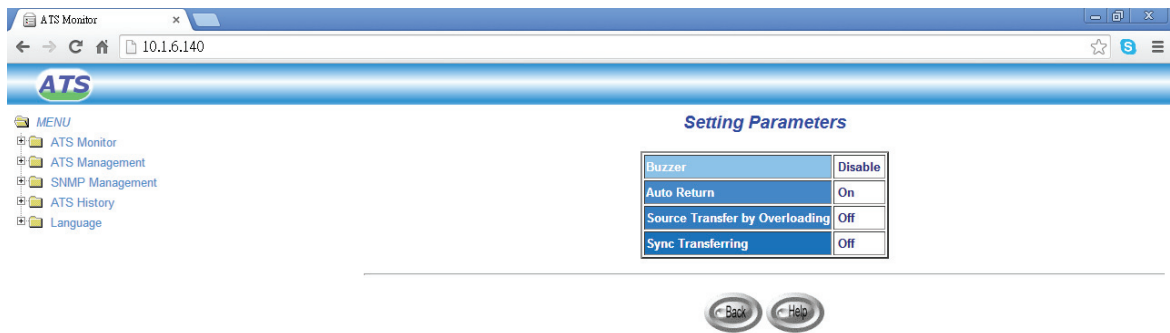


Figure 3-5 SNMP CARD STATYS XS Monitor page screen: Setting Parameters

ALARM LIST

Select Alarm List from the ATS Monitoring on the main menu to view alarms presents (Figure 3-6).

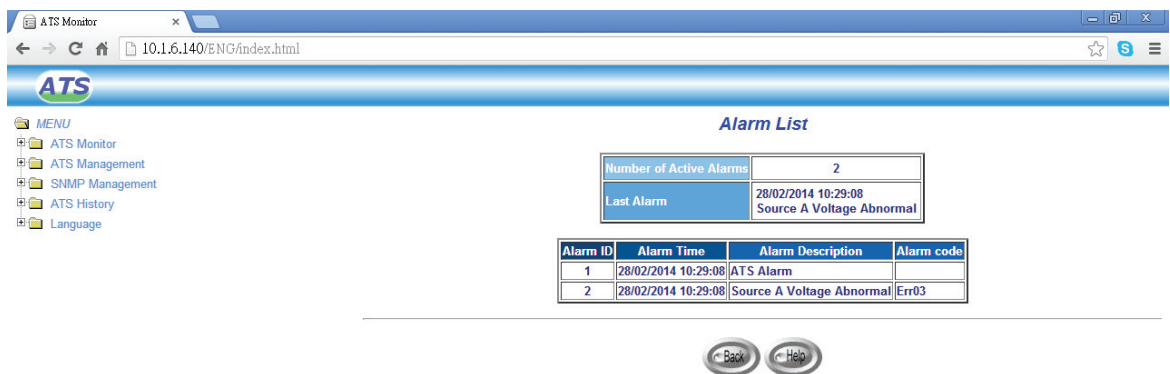


Figure 3-6 SNMP CARD STATYS XS Monitor page screen: Alarm List

3.3. ATS Management

This section contains the control parameters of the STATYS XS connected to the SNMP CARD.

ATS CONTROL

This page allows user to turn on or off the Buzzer control and manually transfer source by clicking on the [Switch] button as shown below. (Figure 3-7)

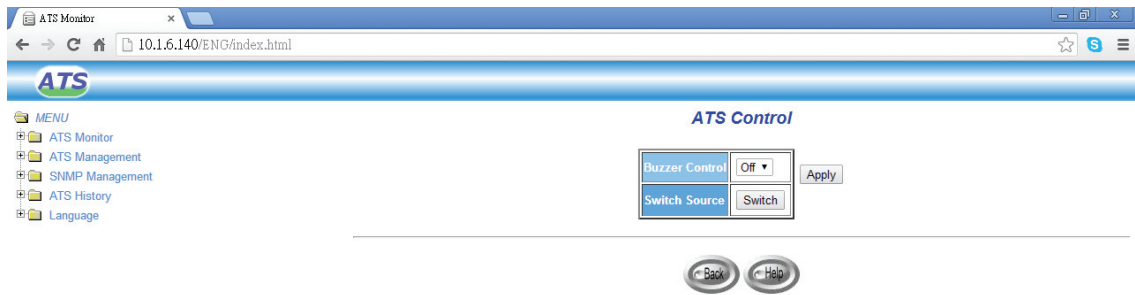


Figure 3-7 SNMP CARD ATS Control screen

EMD CONFIGURATION

This EMD configuration allows user to configure the EMD parameters as shown below (Figure 3-8). Set the EMD status to Auto allows auto detection of EMD type. For more information about EMD device setup, please see the EMD_installation_manual.

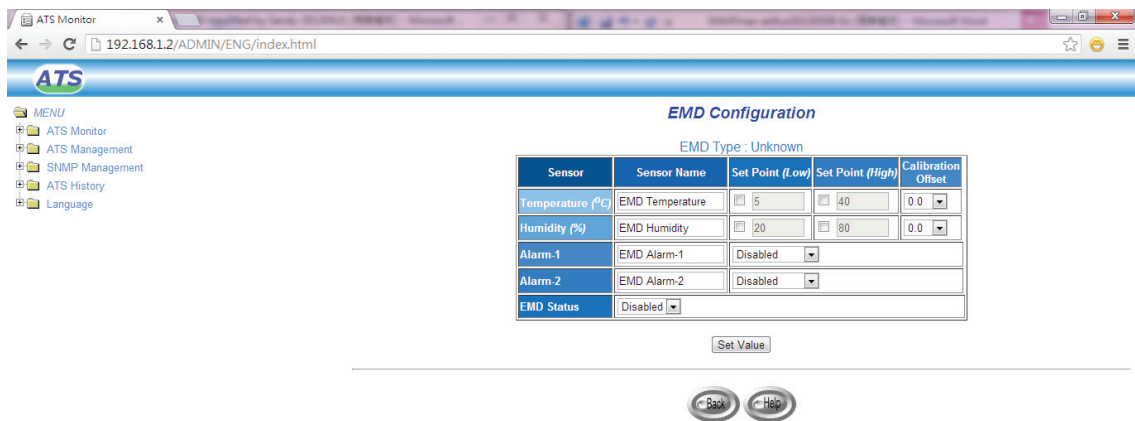


Figure 3-8 EMD Configuration screen

3.4. SNMP CARD Management

In this section, you can view and modify the SNMP CARD control parameters. All the sub-menus are available in read-only for all users, except the administrator has access in read/write mode.

DATE AND TIME

This menu lets you set the SNMP CARD internal date and time. There are three ways to set the Date and Time (Figure 3-9). Synchronize with computer time, Synchronize with NTP server or set the date and time manually.

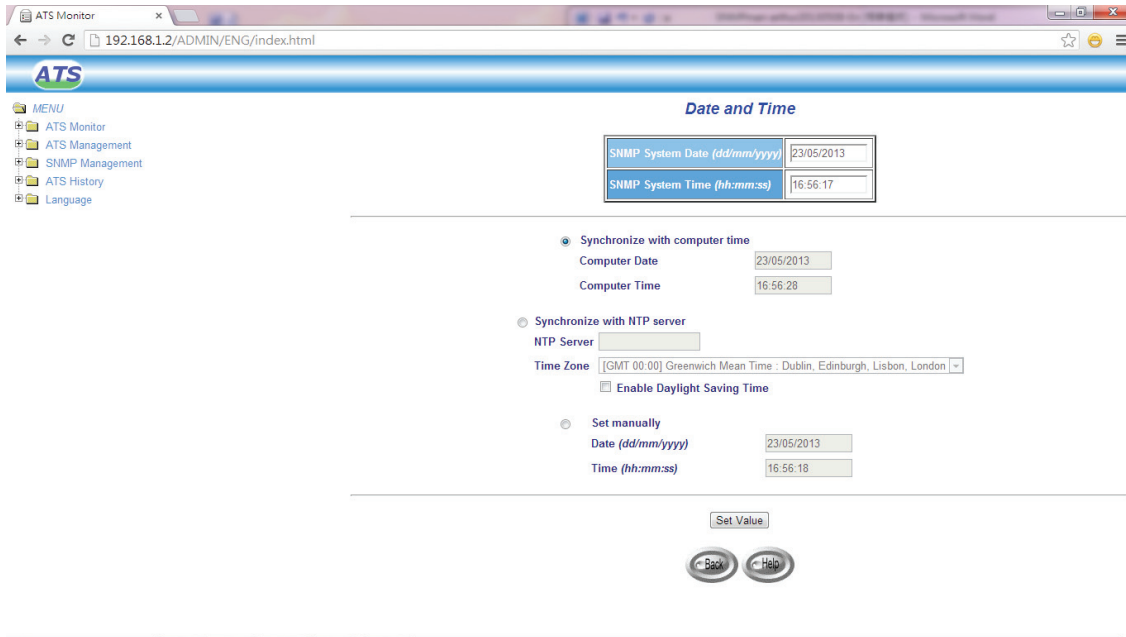


Figure 3-9 Date and Time

SNMP CONFIGURATION

Allows the administrator set the local network configuration parameters in SNMP CARD, including the basic variables in SNMP management (Figure 3-10).

1. SNMP CARD IP Address: The IP address of the SNMP CARD in dotted format (e.g. 192.168.1.100).
2. SNMP CARD Gateway Address: The IP address of the network gateway in dotted format (e.g. 192.168.1.254).
3. SNMP CARD Subnet Mask. The Subnet Mask for your network (e.g. 255.255.255.0).
4. System Name: SNMP model name
5. System Contact: SNMP Network Administrator
6. System Location: SNMP installed location
7. History Log Interval: Set the download interval time in seconds to download Input Voltage, Output Voltage, Load, Capacity and Input frequency. These values are saved in the History Log. The maximum value for this setting is 28800 seconds (i.e. 8 hours).
8. Extended History Log Interval: Set the download interval, in minutes, to create an extended history log. After every interval, the STATYS XS parameters will be consolidated and minimum, maximum and average values of these parameters will be stored as extended history log. This value can range between 3 and 9000 minutes.
9. SNMP CARD Polling Rate (sec): Update interval rate in seconds which SNMP CARD update the parameters from STATYS XS (range: 3, 5, 10, 30, 60)
10. SNMP CARD Baud Rate (sec): The data transmission rate between the STATYS XS and SNMP CARD.
11. Default Language: Default language options included “English”, “Traditional Chinese”, “Sim-

plified Chinese” and “Auto”. SNMP Card Home Page will be displayed using the language set in the Web Browser if “Auto” is selected. (*): to be added soon.
 12. Temperature Unit: Display the Temperature in Celsius or Fahrenheit.

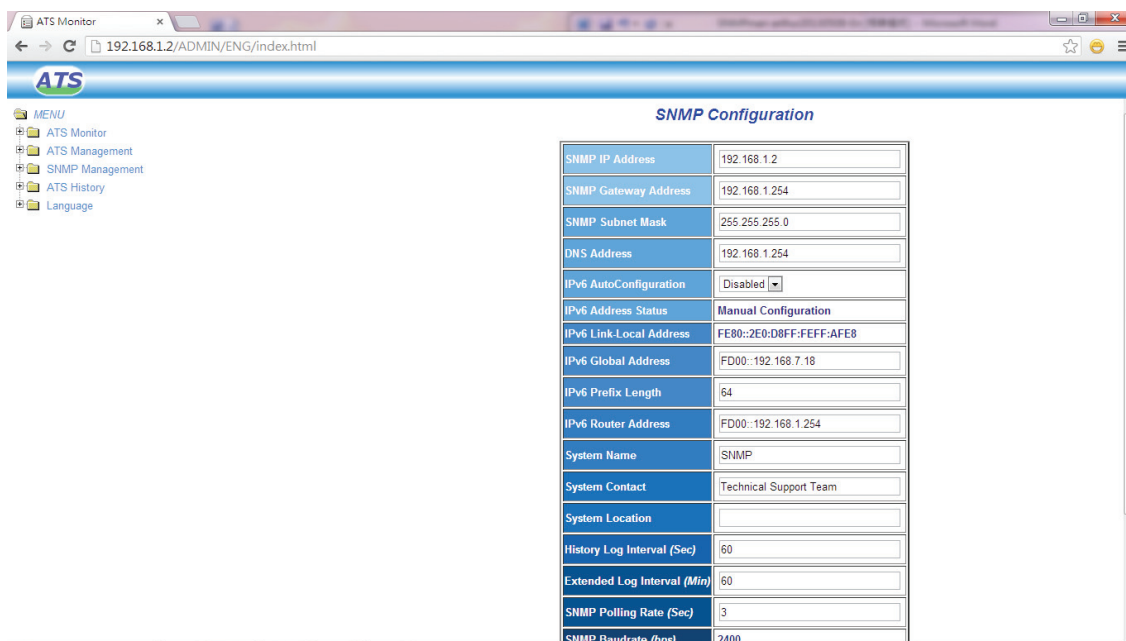


Figure 3-10 SNMP Configuration

SNMP CONTROL

Allows the user to enable or disable the communication protocols available in the SNMP CARD and affect a restart and reset of the SNMP CARD internal parameters. Some of the items in this menu are visible only to administrator with read/write access rights. (Figure 3-11)

1. BOOTP/DCHP Status: Enabling or disabling the Boot Protocol (BOOTP) / Dynamic Host Configuration Protocol (DHCP). These protocols are Internet standards used to get a dynamic IP address from a BOOTP / DHCP server.
2. Ping Echo: Enabling or disabling the SNMP CARD to respond to Ping requests.
3. Network Upgrade: Enabling or disabling the Trivial File Transfer Protocol (TFTP) upgrade control. You can use upgrade.exe on Windows via TFTP to upgrade SNMP CARD firmware.
4. Telnet Connection: Enabling or disabling the terminal to server application (Telnet) control process. The standard port is 23.
5. HTTP Support: Enabling or disabling the HTTP connection with the SNMP CARD. The user may configure HTTP protocol to use a port number other than standard HTTP port (80).
6. SNMP Support: Enabling or disabling the SNMP connection with SNMP CARD. The user may configure the SNMP protocol to use a port number other than the standard SNMP port (161).
7. Reset Agent to Default: Instructs SNMP CARD to reset parameters to factory default value.
8. Restart Agent: Instructs SNMP CARD to restart.

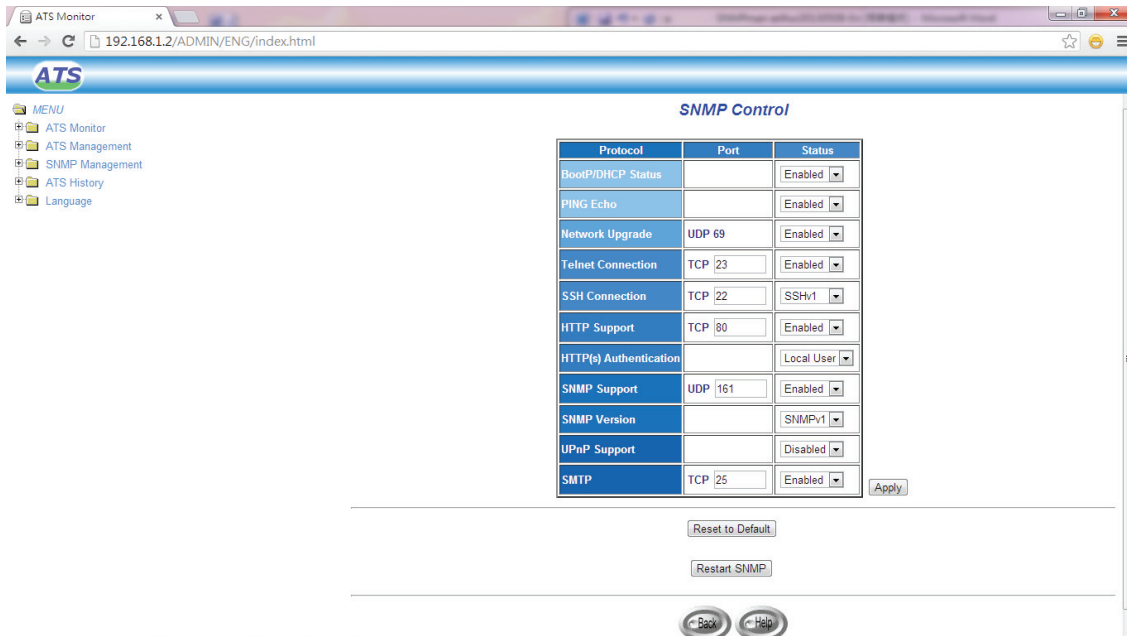


Figure 3-11 SNMP Control

SNMP UPGRADE

Allows user to upgrade SNMP firmware, as shown below Figure 3-12



Figure 3-12 SNMP Upgrade

ACCESS CONTROL

Displays the authentication parameters setting as shown below Figure 3-13.

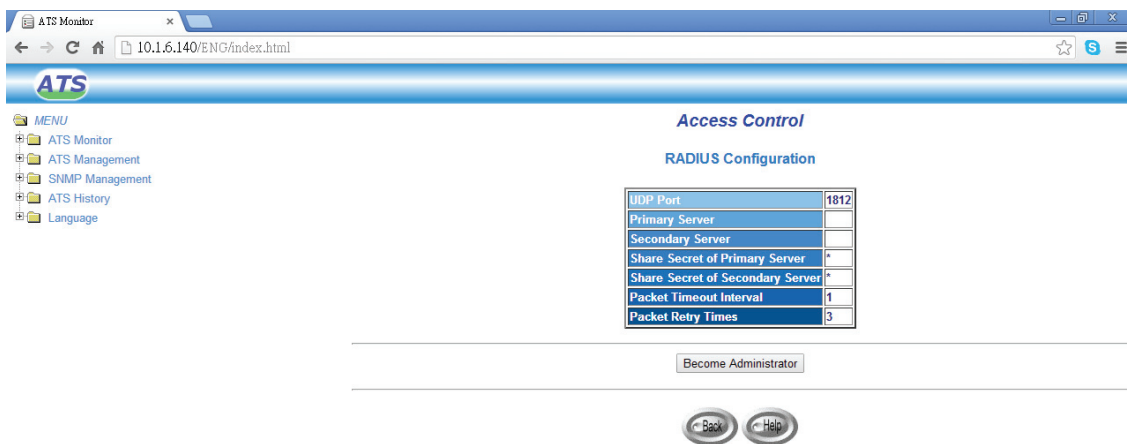


Figure 3-13 Access Control

SNMP/HTTP ACCESS CONTROL

This menu displays a list of the workstation enabled for read/write access to SNMP CARD. (Figure 3-14) See Appendix C HTTP Security Control for detail

1. Index: The index number of the entry in the table.
2. NMS IP Address: The management station's IP address. 0.0.0.0 Means entry not configured. 255.255.255.255 means grant access to all IP. It can configure all IP address in same subnet with the same access right. Like 192.168.1.255
3. Community: Low-level password associated with the IP Address. The maximum length of the string is 16 characters.
4. Access Type: Access types associated with the IP Address security level. Available options are: Not Access, Read and Read/Write. If the IP Address security level is set to Not Access or Read, it will not grant administrator password.

Note: Only Administrator with Read/Write security access can modify the SNMP card parameters and Access Type to limit individual workstation or subnet with different security option.

The screenshot shows a web browser window with the URL 10.1.6.140. The page title is "SNMP/HTTP Access Control". On the left is a navigation menu with items: MENU, ATS Monitor, ATS Management, SNMP Management, ATS History, and Language. The main content area has two tables:

IP Firewall Table

Index	NMS IP Address	Community	Access Type
1		*	No Access
2		*	No Access
3		*	No Access
4		*	No Access
5		*	No Access
6		*	No Access
7		*	No Access
8		*	No Access

Domain User Table

Index	User Name	Access Type
1		No Access
2		No Access
3		No Access
4		No Access
5		No Access
6		No Access
7		No Access
8		No Access

At the bottom of the page is a button labeled "Become Administrator".

Figure 3-14 SNMP/HTTP Access Control

SNMP TRAP RECEIVERS

This table can hold a maximum of four entries. It holds the list of the IP address of the Network Management Stations (NMS), which will receive the SNMP traps send by SNMP CARD. (Figure 3-15)

1. Index: The index number of the entry in the table.
2. NMS IP Address: The IP Address in dotted format of the NMS station to which the trap should be sent.
3. Community String: Low-level password associated with the IP Address. The maximum length of the string is 16 characters.
4. Trap Type: Types of traps to be received.
 - None: Traps will not be received
 - SNMP CARD Trap: Traps are received based on Standard STATYS XS MIB.
5. Severity: Set the level of the trap to be received.
 - Information: All traps are received
 - Warning: Receive trap that has warning and alarm status.
 - Severe: The significant traps are received
6. Select Events: Press the "select" button; you can see an event list. You can tick the events that you would like to receive the notification by trap when the event occurs.
7. Description: Customer description string.

Note: For specific application can be found in Chapter IV of the "Simple Network Management Protocol" Management SNMP CARD / STATYS XS content.

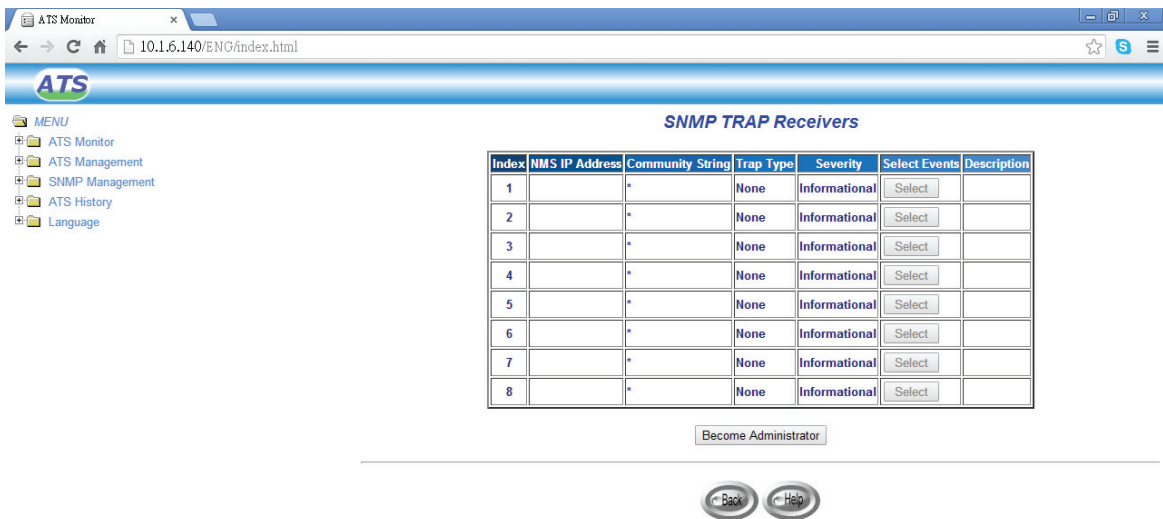


Figure 3-15 SNMP TRAP Receivers

EMAIL NOTIFICATION

STATYS XS email notification setting allowing administrator to configure Mail server and Mail receiver in order to receive notification or report from SNMP CARD via email when power event occurred. After becoming an administrator (Login: SNMP, Password: admin), you can press “Select” button to select the event items which will notify you via e-mail when the event occurs. (Figure 3-16)

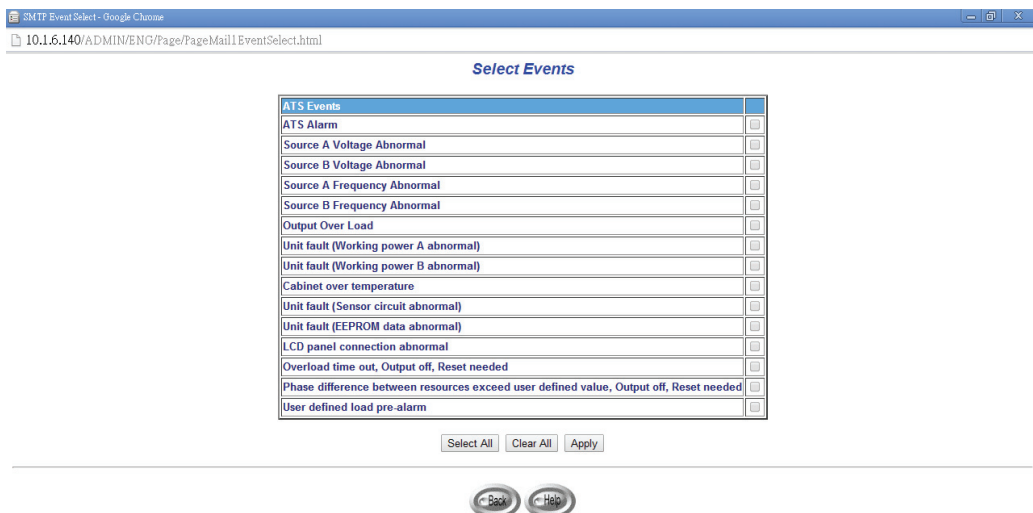
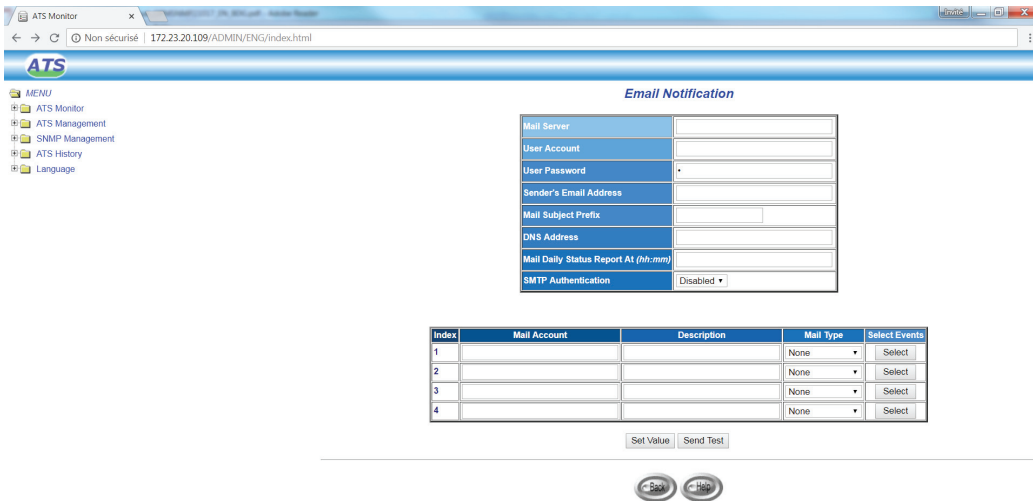
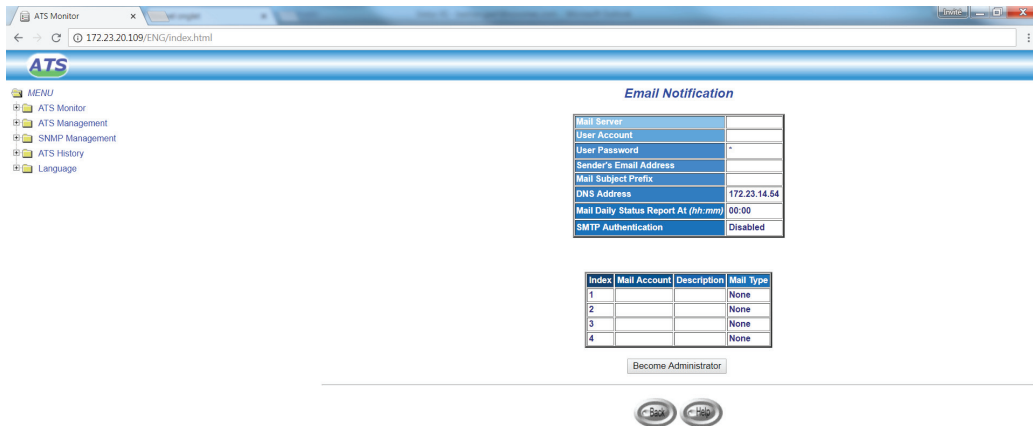


Figure 3-16 E-mail Notifications

1. Mail Server

The Hostname of a SMTP Mail Server that will be used to send email messages from the SNMP CARD. By Entering the Hostname, you are also required to enter the DNS Address.

2. User Account

This field is the User Account of Mail Server. Default has no entry, and only required if Mail Server needed for authentication to send mail.

3. User Password

This field is for entering the Password of User Account.

4. Sender's Email Address:

This field specifies the sender's email address of the Email. If this field left blank, the default sender's address will be account@ip_address.

5. Mail Subject Prefix:

The string prefix in the mail subject to identify the device which sends out the mail.

6. DNS Address

This field is the IP Address of your network DNS server that's responsible for translating names into addresses, routing mail to its proper destination. Default, field contains 0.0.0.0.

7. Mailing Daily Status Report At (hh:mm)

Set the SNMP CARD to send a Daily Status report to selected Mail Receiver, by entering the time of day in 24-hour format at which time you want the email sent.

8. SMTP Authentication

Enabled/Disabled SMTP authentication.

9. Mail Receiver

This field is the receiver's email address.

10. Description

This field is the email description.

11. Mail Type

This column is for selecting the type of email sent to a specific Mail Receiver.

Types of email are None, Events, Daily Status, or Event/Status.

- None: allow you to disable the sending of email to a specific recipient.
- Events: allow the recipient to receive event-related messages when event occur.
- Daily Status: allow the recipient to receive the Daily Status message while "Mailing Daily Status Report At (hh:mm)" setting time is up. The message contains two file attachments containing information logged by the SNMP CARD (in .csv format suitable for viewing in Microsoft Excel). One attachment contains the History Log (Logged STATYS XS data) and the other contains the Event Log (Logged Event text).
- Events/Status: specifies the recipient should receive an email message containing the event-related notification and the two file attachments (as described above), each time an event notification is sent.

12. Event Level

This column is for selecting the Severity level of notification you wish to send to each Mail Receiver configured to be sent Mail Type: Events or Events/Status. This filter is based on the SNMP-based traps (Events) and allows selection of Informational, Warning or Severe. Refer to the MIB documentation for more information.

13. Select Events

Press the "Select" button; you can see an event list. You can tick the event that you would like to receive the notification by e-mail when the event occurs.

EXTERNAL LINKS

This page describes the External Links setup. Up to four links can be created on this page. User can click on each link directly to connect to the related web pages. Example: another STATYS XS with SNMP CARD or technical support homepage. (Figure 3-17)

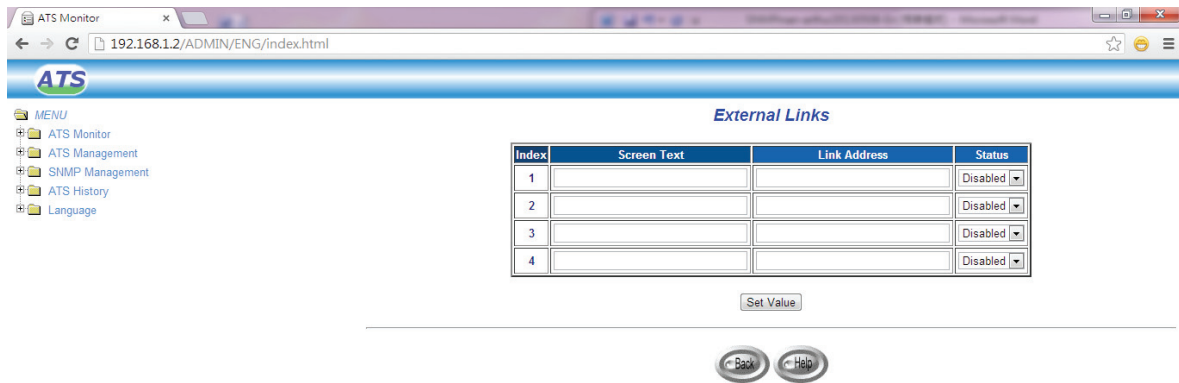


Figure 3-17 External Links

Screen Text

Description of hyperlink for user's reference.

Link Address

Web page location in IP address or URL format.

Status

The visibility of the hyperlink. Set "Disable" will make this hyperlink invisible.

3.5. ATS History

Allow users to view all types of STATYS XS & SNMP CARD log messages displayed in chronological order such as the ATS History Log, ATS Extended Log, ATS Events Log and SNMP Events Log. These log messages can help you detect and diagnose problems with your SNMP CARD.

ATS HISTORY LOG

To save the history log to a file in Microsoft Excel format, go to the Clear & Save Log Data sub-menu and click on the link ATS History Log under the Save Log Data title bar.

1. Log Date: Date of the value recorded.
2. Log Time: Time in 24-hour format of the value recorded
3. Voltage: The input voltage in Volts recorded
4. Source A Voltage: The voltage of source A in Volts recorded.
5. Source A Frequency: The frequency of source A in Hz recorded.
6. Source B Voltage: The voltage of source B in Volts recorded.
7. Source B Frequency: The frequency of source B in Hz recorded.
8. Output Voltage: The output voltage in Volts recorded
9. Output Frequency: The output frequency in Hz recorded.
10. Output Current: The output current in Amp recorded.
11. Load: The connected load in percentage recorded
12. EMD Temperature: The current EMD temperature.
13. EMD Humidity: The current EMD humidity.
14. ATS System Temperature (°C): The temperature of STATYS XS system.

ATS EXTENDED LOG

Allow users to view summary of the STATYS XS parameters taken over a period. Each STATYS XS parameters, minimum, maximum and the average values are shown in the records. The Administrator can change the recording range by changing the value of the Extended Log Interval in SNMP CARD Configuration page. The existing log is overwritten when the maximum numbers of entries are reached.

1. Start Date: Recording start date
2. Start Time: Recording start time
3. End Date: Recording end date
4. End Time: Recording end time
5. Source A Voltage: The minimum, maximum and average values of voltage for source A at the time of recording.
6. Source A Frequency: The minimum, maximum and average values of frequency for source A at the time of recording.
7. Source B Voltage: The minimum, maximum and average values of voltage for source B at the time of recording.
8. Source B Frequency: The minimum, maximum and average values of frequency for source B at the time of recording.
9. Output Voltage: The minimum, maximum and average values of the output voltage at the time of recording.
10. Output Frequency: The minimum, maximum and average values of the output frequency at the time of recording.
11. Output Current: The minimum, maximum and average values of the output current at the time of recording.
12. Load: The minimum, maximum and average values of the output load at the time of recording
13. EMD Temperature: The minimum, maximum and average values of the EMD temperature at the time of recording.
14. EMD Humidity: The minimum, maximum and average values of the EMD humidity at the time of recording.

ATS EVENT LOG

This table lists all the events that have occurred since the table was cleared. The existing values are overwritten when the maximum number of entries (rows) has been reached.

1. Date: The date when the event occurred
2. Time: The time when the event occurred
3. Event Description: The description of the event

SNMP EVENTS LOG

This table lists all the SNMP CARD events occurred. The Administrator has the access right to delete the entries.

1. Date: The date when the SNMP event occurred
2. Time: The time when the SNMP event occurred
3. Event Description: The description of the SNMP event occurred

CLEAR & SAVE LOG DATA

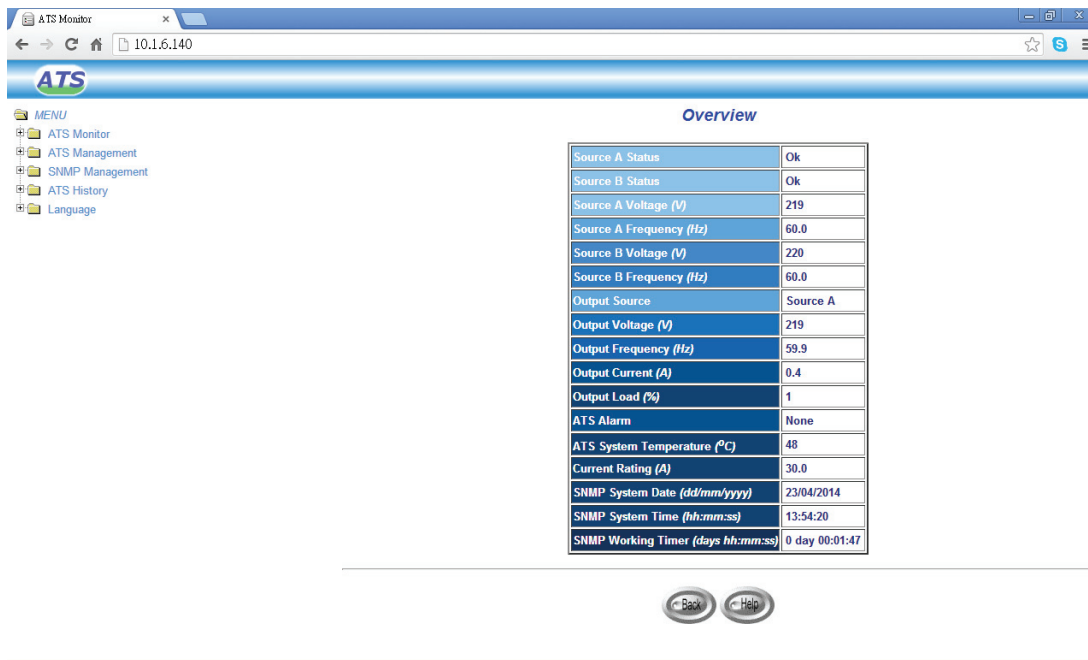
This page lets the Administrator saves SNMP CARD log data to a file in Microsoft Excel format. Administrator is also able to clear specific log data or choose to clear the log data after saving the log data.

1. Clear Log Data: Administrator can clear the specific log data by putting a check mark beside it and click the Clear button.
2. Clear the corresponding log data as you click the hyper-link below: Administrator can choose to clear the log data after saving the log to a file. Select Yes or No and click the Apply button. Default value is set to "No"
3. Save Log Data: Administrator can save the various SNMP CARD log data to a file with the extension .csv that can be opened and read in MS Excel.

Note: When you mouse click any one of the hyper-link here while the "Clear the corresponding log data as you click the hyper-link below" selection is set to "Yes", the corresponding log data will be lost even if you cancel the operation.

3.6. Language Selection

Allow users to select the language to display on screen. Languages supported are "English", "Traditional Chinese", and "Simplified Chinese". Language will switch immediately once you click on the option. (Figure 3-18).



The screenshot shows a web browser window titled "ATS Monitor" with the address bar displaying "10.1.6.140". The page features a blue header with the "ATS" logo and a navigation menu on the left. The main content area is titled "Overview" and contains a table of system parameters. At the bottom of the page, there are "Back" and "Help" buttons.

Parameter	Value
Source A Status	Ok
Source B Status	Ok
Source A Voltage (V)	219
Source A Frequency (Hz)	60.0
Source B Voltage (V)	220
Source B Frequency (Hz)	60.0
Output Source	Source A
Output Voltage (V)	219
Output Frequency (Hz)	59.9
Output Current (A)	0.4
Output Load (%)	1
ATS Alarm	None
ATS System Temperature (°C)	48
Current Rating (A)	30.0
SNMP System Date (dd/mm/yyyy)	23/04/2014
SNMP System Time (hh:mm:ss)	13:54:20
SNMP Working Timer (days hh:mm:ss)	0 day 00:01:47

ATS監控 10.1.6.140/TC/index.html

ATS

總覽

電源A狀態	良好
電源B狀態	良好
電源A電壓(伏特)	221
電源A頻率(赫茲)	60.0
電源B電壓(伏特)	223
電源B頻率(赫茲)	60.0
當前輸出電源	電源B
輸出電壓(伏特)	219
輸出頻率(赫茲)	60.0
輸出電流(安培)	0.3
輸出負載(百分比)	0
系統報警	無
系統溫度(攝氏°C)	44
額定電流(安培)	30.0
SNMP系統日期 (日/月/年)	07/03/2014
SNMP系統時間 (時:分:秒)	14:08:54
SNMP工作計時 (天 時:分:秒)	0day 01:42:23

Back Help

ATS監控 10.1.6.140/SC/index.html

ATS

总览

电源A状态	良好
电源B状态	良好
电源A电压(伏特)	220
电源A频率(赫兹)	59.9
电源B电压(伏特)	222
电源B频率(赫兹)	59.9
当前输出电源	电源B
输出电压(伏特)	219
输出频率(赫兹)	59.9
输出电流(安培)	0.3
输出负载(百分比)	0
系统报警	无
系统温度(摄氏°C)	44
额定电流(安培)	30.0
SNMP系统日期 (日/月/年)	07/03/2014
SNMP系统时间 (时:分:秒)	14:09:21
SNMP工作计时 (天 时:分:秒)	0day 01:42:50

Back Help

Figure 3-18 Language Selections

4. MANAGING SNMP CARD /STATYS XS VIA SNMP

4.1. Setting SNMP parameters in SNMP CARD

Before using SNMP CARD in SNMP environment, the IP address, gateway must be configured properly. See Chapter 2 for details.

4.2. SNMP Access Control Setting

SNMP CARD supports SNMP protocol. You can use SNMP NMS to manage STATYS XS through the network. The IP address of the workstation must be entered in the SNMP CARD write access table to prevent unauthorized users from configuring SNMP CARD via HTTP or SNMP protocols.

Note: If you do not enter the IP address of the workstation to the Access Control Table (via Serial Port or Telnet) or the SNMP/HTTP Access Control (via Web Browser) in SNMP CARD, the SNMP NMS can only view the STATYS XS status; it will not be able to perform any configuration on SNMP CARD/STATYS XS. (See Pg.22 SNMP/HTTP Access Control)

4.3. SNMP Trap Receivers Setting

See Pg. 22 SNMP Trap Receivers for details.

4.4. Set up SNMP Manager Software

1. Add the MIB file of SNMP CARD in the SNMP CARD CD-ROM to the MIB database of the SNMP manager.
2. Search for SNMP CARD in the network
3. To access the SNMP CARD SNMP agent, use 'public' for the GET community string and the Read/Write password (default is admin) for the SET community string.

GET Community string: public

SET Community string: admin

For more information, see the MIB file on the SNMP CARD CD-ROM.

5. APPENDIX A TECHNICAL INFORMATION

5.1. Technical Information about SNMP CARD

FEATURES

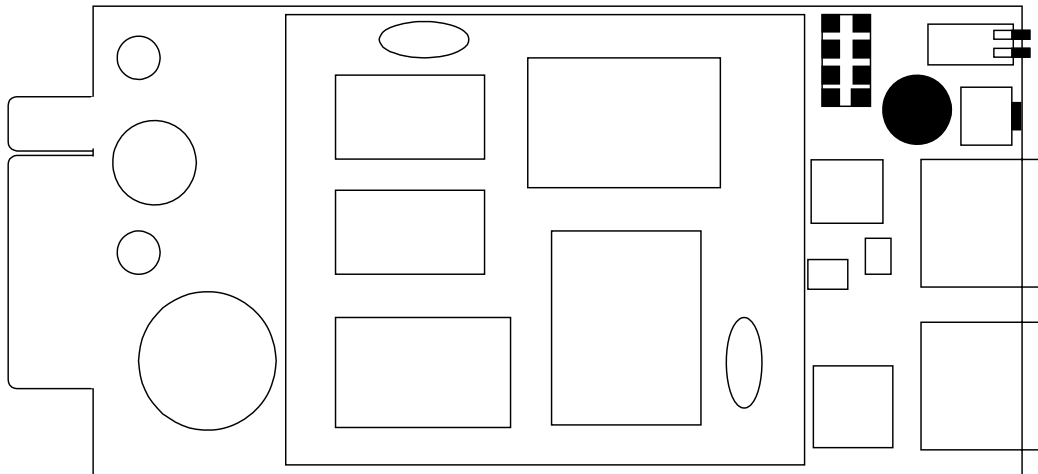
- Configuration from HTTP Web Browser, Telnet and serial port console.
- Management through SNMP manager and HTTP Web Browser.
- Support SNMP MIB (STATYS XS).
- Upgrade from TFTP server and serial port.
- STATYS XS control through scheduling.
- History, Event and Statistic log file.
- SNMP alarms detection.
- Support internal Real Time Clock (RTC).

TECHNICAL SPECIFICATION

CPU	16-bits AC1105 Fast Ethernet RISC Processor Phoenix Kernel
Memory	2MB (1Mbit x16) TFBGA Flash ROM 2MB (1Mbit x16) SDRAM
Serial Communication	Two UART Channels, one RJ-45, one Gold finger.
LAN Controller	10/100 Mbits Ethernet controller
Network Connection	10/100 TX RJ-45 jack connector
RTC	Real time clock
Supported MIB	SNMP MIB (STATYS XS)
Operating Temperature	0 ~ 40° C
Operating Humidity	10 ~ 80 %
Power Input	5~40V DC
Power Consumption	3.0 Watts Maximum
Size	130mm x 60mm x 18.2mm (L x W x H)
Weight	70gm
Regulatory compliance	FCC class B CE class B

BOARD LAYOUT AND PIN ASSIGNMENT

Board layout

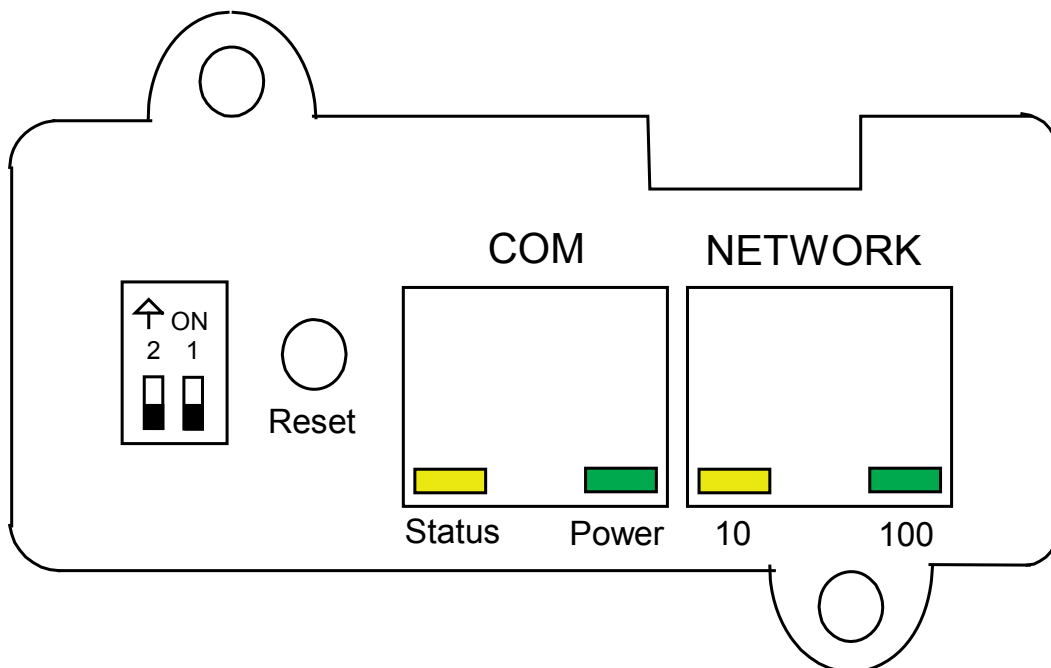


Pin assignment

Bottom Side		Component Side	
Pin 1	GND	Pin 2	DC (8-15V)
Pin 3	Txd ==> ATS	Pin 4	Rxd ==> ATS
Pin 5	NC	Pin 6	NC
Pin 7	NC	Pin 8	Short to pin 10
Pin 9	GND	Pin 10	Short to pin 8
Pin 11~25	NC	Pin 12~26	NC

SWITCH DESCRIPTION

Component layout of the panel



DIP-switch definition

No.	SW1	SW2	Function Mode
1	ON	ON	Manufacture Diagnostic Mode
2	ON	OFF	Serial upgrade mode
3	OFF	ON	Reserved
4	OFF	OFF	Operating Mode

LED INDICATOR

LED definition

No.	Port	Green LED	Amber LED	Function
1	Network	Flashing(1sec)	OFF	Ethernet 100 Traffic
2		OFF	Flashing(1sec)	Ethernet 10 Traffic
3		OFF	OFF	Ethernet disconnect
4	COM	ON	Flashing(1~3sec)	RS-232 Port Active
5		OFF	Flashing(1sec)	Serial Upgrade Mode
6		Two LED cross Flashing	Two LED cross Flashing	Auto Diagnostic Mode
7		ON	ON	Hardware Error

6. APPENDIX B FIRMWARE UPGRADES

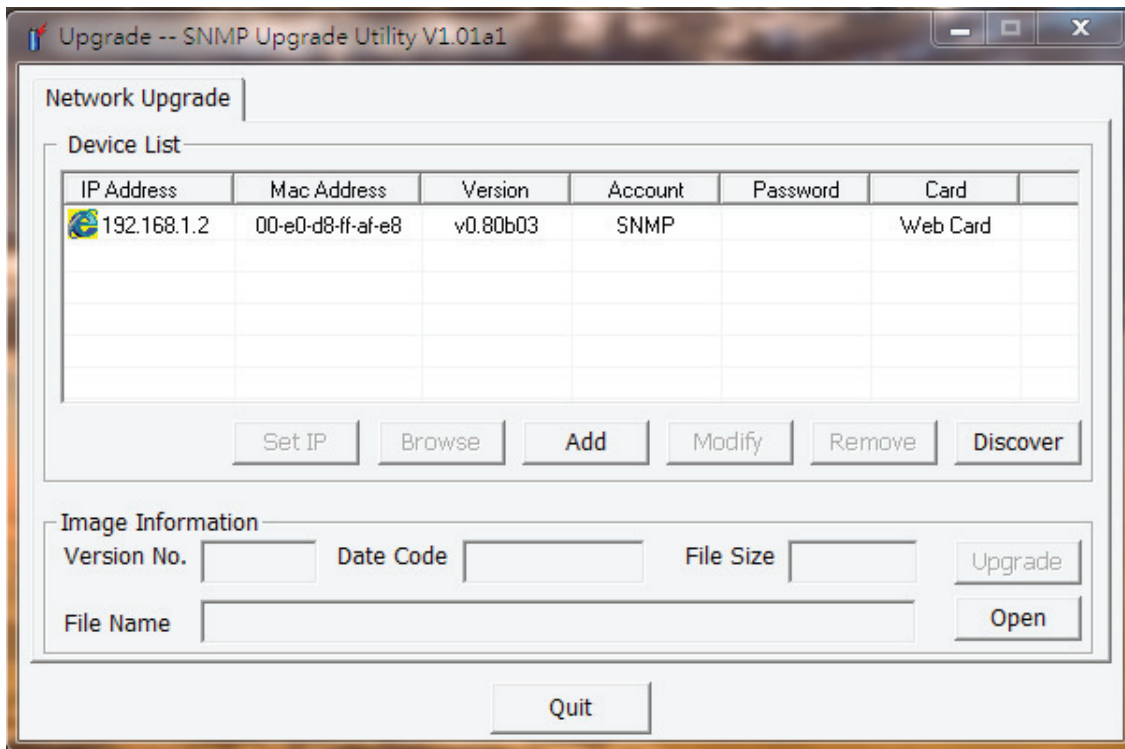
6.1. General information

To perform firmware upgrading, SNMP CARD must be connected to the same network as the workstation from which the file is to be sent.

In the SNMP CARD Control menu, check that the Network Upgrade is enabled and you have the login string information and the Community Read/Write Password.

6.2. Updating SNMP CARD Firmware from Windows

To perform firmware upgrade, use the upgradeVX.00.exe program on the SNMP CARD CD-ROM. This program is compatible with Windows.

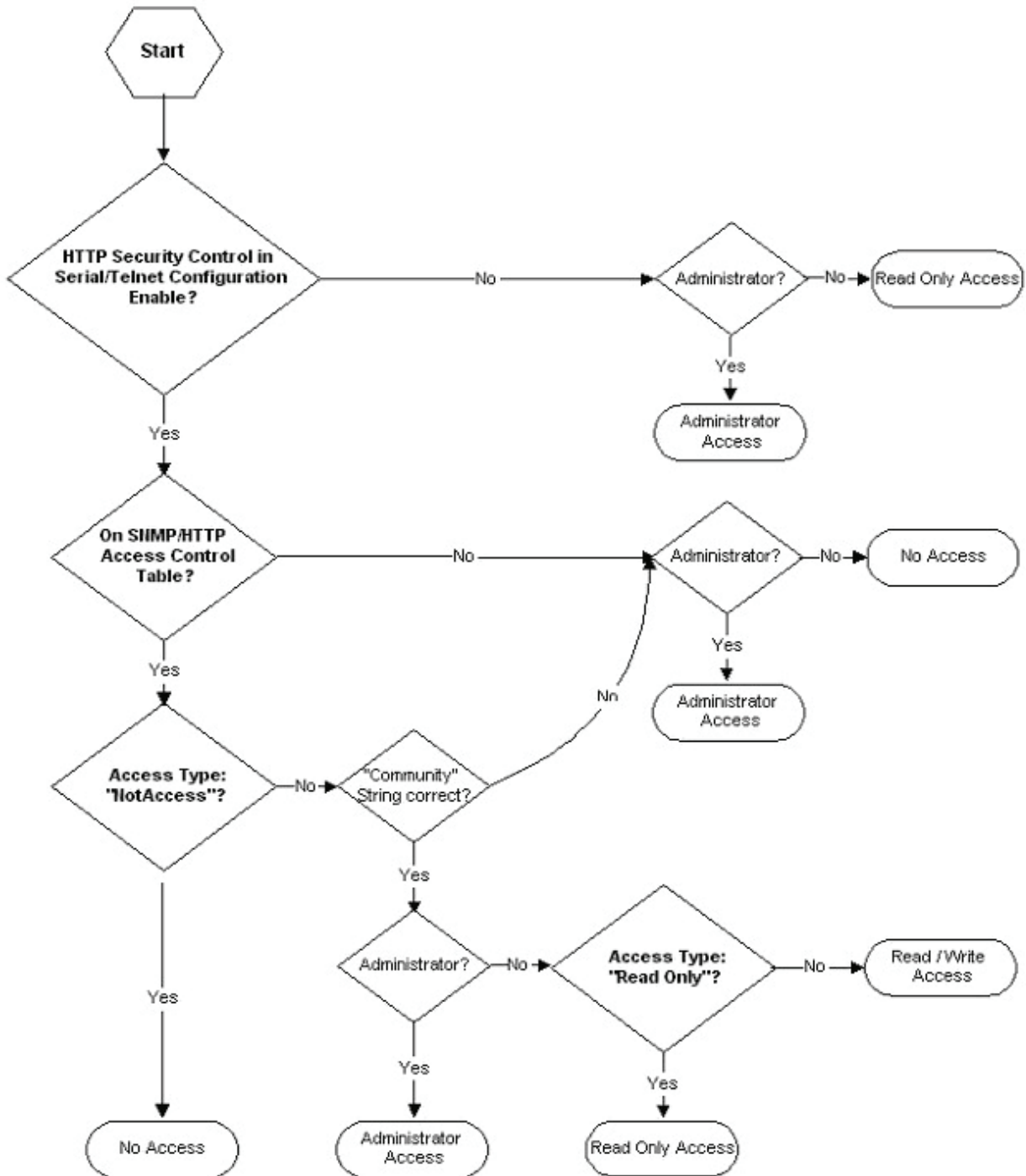


1. Device List: Displays the addresses of the SNMP CARD present in the local network.
2. Discover: Search for the SNMP CARD on the local network.
3. Remove: Removes the selected SNMP CARD from the STATYS XS List.
4. Modify: Modify the parameters of the selected SNMP CARD in the STATYS XS List.
5. Add: Add the IP address of a SNMP CARD to the STATYS XS List manually.
6. Browse: Open SNMP CARD Webpage of the SNMP CARD from the STATYS XS List.
7. Set IP: Re-set SNMP CARD IP Address; Subnet Mask and Gateway Address in the STATYS XS List.
8. Upgrade: Upgrade the selected SNMP card in the STATYS XS List.
9. Open: Open and load the new image file for upgrade.
10. Quit: Exit the program.

Note: You can simultaneously upgrade up to 4 SNMP CARDS on the network using the upgradeVX.00.exe program

7. APPENDIX C HTTP SECURITY CONTROL

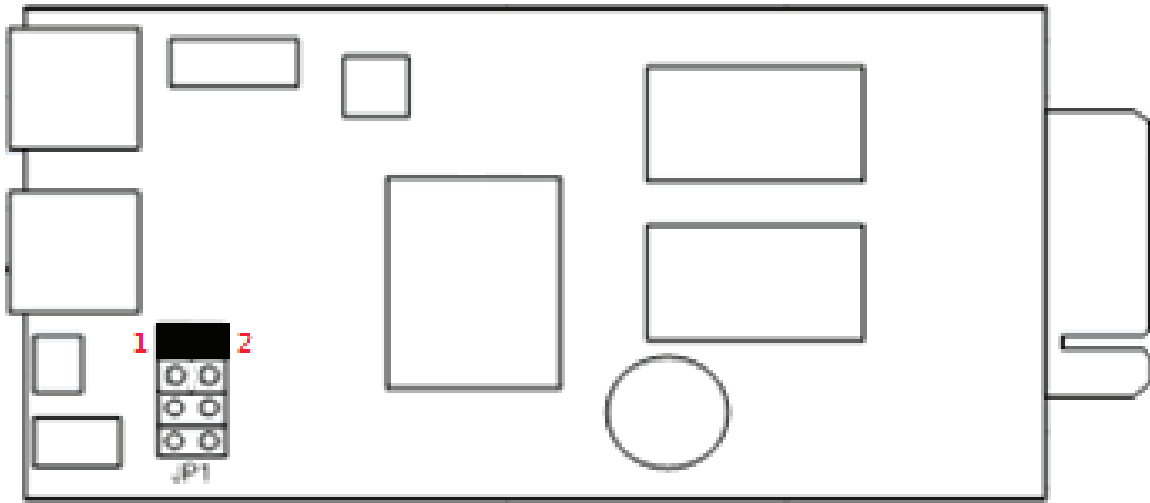
Flow Chart of the "HTTP Security Control" Option



8. APPENDIX D HOW TO DO WHEN FORGET THE ACCOUNT & PASSWORD

For example you changed password to STATYS XS/123456, but you forgot the password

1. Short pin1 & pin2, then using default password "admin" to login Telnet to change password

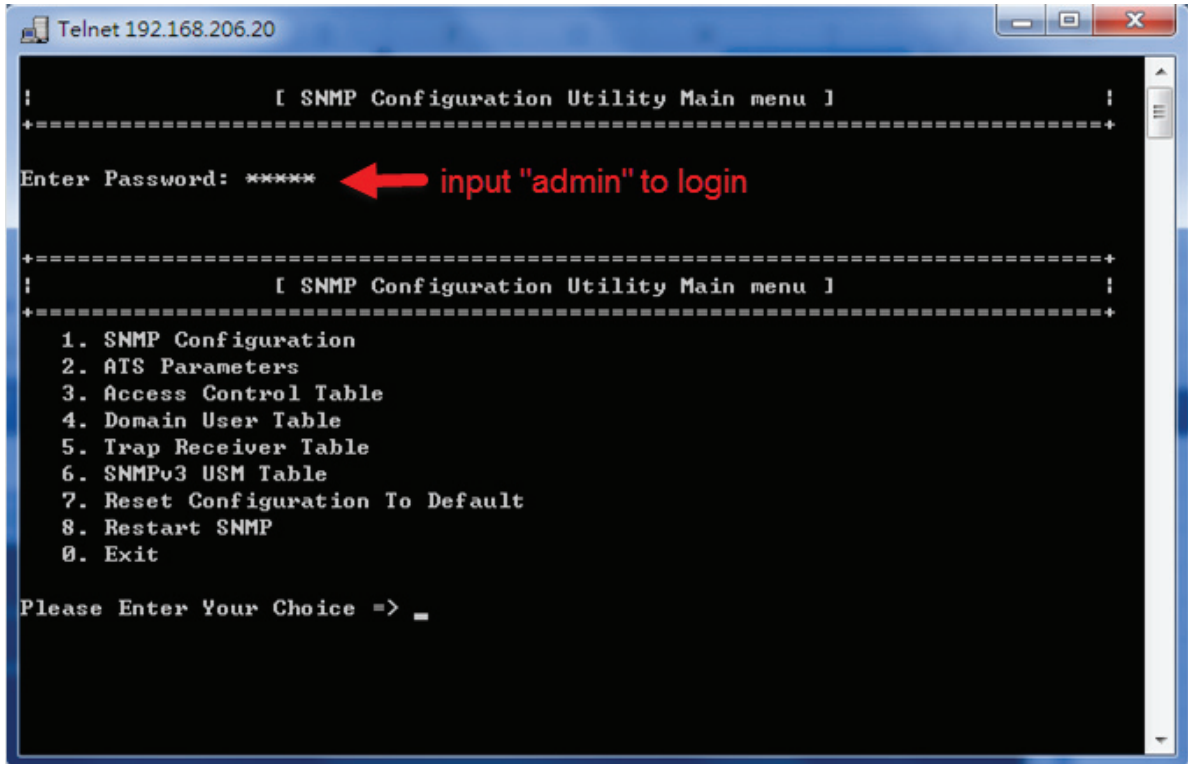


2. Input telnet xxx.xxx.xxx.xxx (SNMP card IP add.) in Start menu > Run

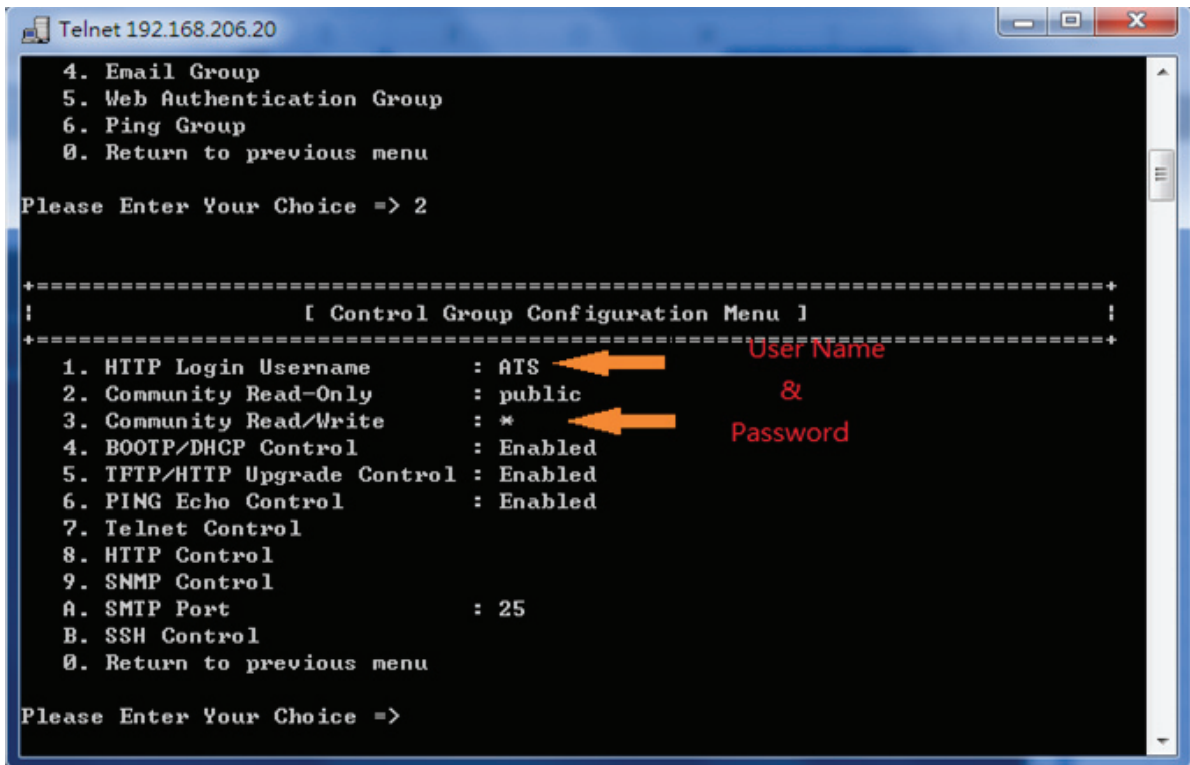
The screenshot shows the ATS web interface. On the left, a 'Programs (1)' window is open, showing a telnet session to 192.168.206.20. The main area displays the 'Overview' page with a table of system parameters.

Parameter	Value
Source A Status	Ok
Source B Status	Ok
Source A Voltage (V)	219
Source A Frequency (Hz)	59.9
Source B Voltage (V)	220
Source B Frequency (Hz)	59.9
Output Source	Source A
Output Voltage (V)	220
Output Frequency (Hz)	59.9
Output Current (A)	0.3
Output Load (%)	1
ATS Alarm	None
ATS System Temperature (°C)	47
Current Rating (A)	30.0
EMD Temperature (Celsius)	
EMD Humidity (%)	
EMD Alarm-1	Unknown
EMD Alarm-2	Unknown
SNMP System Date (dd/mm/yyyy)	09/09/2014
SNMP System Time (hh:mm:ss)	11:49:48
SNMP Working Timer (days hh:mm:ss)	3 days 18:39:13

3. Input "admin" to login



4. Enter menu 1,SNMP Configuration > 2, Control Group , then you can change the user name and password



5. Remove the jumper after changed then you can login with new user name and password

Socomec, l'innovation au service de votre performance énergétique

1 constructeur indépendant

3 200 collaborateurs
dans le monde

10 % du CA
consacrés au R&D

400 experts
dédiés aux services

L'expert de votre énergie



COUPURE



MESURE



CONVERSION
D'ÉNERGIE



SERVICES
EXPERTS

Le spécialiste d'applications critiques

- Contrôle, commande des installations électriques BT.
- Sécurité des personnes et des biens.
- Mesure des paramètres électriques.
- Gestion de l'énergie.
- Qualité de l'énergie.
- Disponibilité de l'énergie.
- Stockage de l'énergie.
- Prévention et intervention.
- Mesure et analyse.
- Optimisation.
- Conseil, déploiement et formation.

Une présence mondiale

8 sites industriels

- France (x3)
- Italie
- Tunisie
- Inde
- Chine (x2)

27 filiales

- Allemagne • Australie • Belgique • Chine
- Espagne • France • Inde • Italie • Pays-Bas
- Pologne • Roumanie • Royaume-Uni
- Singapour • Slovaquie • Suisse • Thaïlande
- Tunisie • Turquie • USA

80 pays

où la marque est distribuée

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