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SAN TELEQUIP
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SC10E4IG_L

Isolated 4 Port Device Server

User's Manual V1.0

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Preface

Version Description

Manual version: V1.0

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Brief Introduction

Thank you for choosing our products.

This User Manual describes the SC10E4IG Series Serial Device Server. Before you use our device for the first time, please read all the included materials carefully, and install and operate this series of products in keeping with items listed in the manual, so as to avoid damaging the device resulting from malpractice.

Environmental Protection

This product complies with the design requirements associated with environmental protection. The storage, use and disposal of the product should be conducted in accordance with related national laws and regulations.

We welcome your advice and suggestion. It will be viewed as the ultimate support to us.

Chapter 1: Product Introduction

The following topics are covered in this chapter:

- Product Description
- Product Feature
- Physical Description
- Technical Specification

1.1 Product Description

The SC10E4IG Serial Device Server can be used to connect any serial device to an Ethernet network, and support various operating modes. The SC10E4IG series Serial Device Server supports TCP Server, TCP Client, UDP and Virtual COM modes for security critical applications, such as Banking, Telecom, Access control and Remote site management.

The Serial Data transfer is transparent serial data to Ethernet.

1.2 Product Feature

- 4 of RS485/RS422 DIP selectable. Connector is a 5-pin Terminal Block.
- The serial baud rate supports 300bps to 115200bps.
- Data access modes including TCP Server, TCP Client, UDP and Virtual COM.
- Versatile socket operating modes including TCP Server, TCP Client, UDP and Virtual COM driver.
- 3 Ethernet Ports, 2 of 10/100 BASE-T, RJ45 with LED, full/half duplex, it supports auto MDI/MDIX, and 1 channel 100-FX SFP supporting hot plug in.
- Ethernet ports support Switch and Redundant modes
- Device support Web-based configuration, Telnet and SNMP.
- LCD (optional) enables you to manage and check information
- Serial port Optically Isolated to 2.5KV
- Built-in 15 KV ESD protection for all Serial Signals.
- 24V DC Wide range & Redundant Power supply, Dual DC18V~48V.

1.3 Technical Specification

Ethernet Interface

Number of Ethernet Ports : 2

Speed : 10/100 Mbps, Auto MDI/MDIX

Connector : RJ45 (with LED)

Magnetic Isolation : 1.5 KV built in

Ethernet Line Protection :

EN 61000-4-2 (ESD) Level 3

EN 61000-4-5 (Surge) Level 3

Number of Optical Ports : 1

Speed : 100 Mbps

Connector : SFP

Serial Interface

Serial Standards : RS485, RS422 (DIP switch selectable).

Number of Ports : 4

Type of Connectors: 3.81mm, double layer 5-Pin terminal block.

EMS :

EN 61000-4-2 (ESD) Level 4

EN 61000-4-5 (Surge) Level 3

EN 61000-4-5 (Lightning) Level 3

EN 61000-4-4 (EFT) Level 3

Port Isolation: Serial Port Isolation is 2500V.

Serial Communication Parameters

Data Bits : 5, 6, 7, 8

Stop Bits : 1, 2

Parity : None, Even, Odd, Space and Mark

Baud rate : 300 bps to 115.2 Kbps

Serial Signals

PIN	1	2	3	4	5
RS422	T+	T-	R+	R-	GND
2-wire RS485	D+	D-	/	/	GND
4-wire RS485	T+	T-	R+	R-	GND

For RS485 4wire /RS422

Signal of SC10E4IG_L	Will connect to
TX+	RX+ of your device
TX-	RX- of your device
RX+	TX+ of your device
RX-	TX- of your device

For RS485 2Wire

Signal of SC10E4IG_L	Will connect to
D+	TX+/D+ of your device
D-	TX-/D- of your device

Software

Network Protocols : ICMP, IP, TCP, UDP, HTTP, SNMP, NTP, SMTP, DHCP, DNS, Telnet

Configuration Options : Web, Windows Search Utility, SNMP, Telnet

Windows Virtual COM Drivers : Win7/Win8/Win2008 Server/Win2012 Server

Operation Modes

Standard : Virtual COM, TCP Server, TCP Client, UDP

Physical Characteristics

Housing : Metal

Weight : SC10E4IG_L: 0.55kg

Dimensions : 40.5(W) x 143(D) x 210(H) mm

Environmental Limits

Operating Temperature : 0 to 50°C

Storage Temperature : -20 to 85°C

Ambient Relative Humidity : 5 to 95% (non-condensing)

Atmospheric pressure : 70～106 kpa

Note : No solvent and corrosive gas, no dust, no magnetic disturbance area.

Power Requirements

Input Voltage : Dual power DC18V-DC48V

Power Consumption : <6W (Including LCD)

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Chapter 2 Hardware Instructions

This chapter covers the hardware installation.

The following topics are covered in this chapter:

- Panel Layout
- Connecting the Hardware
- Wiring Requirements
- Connecting to a Serial Device
- LED Indicators

2.1 Panel Layout

SC10E4IG_L Front Panel

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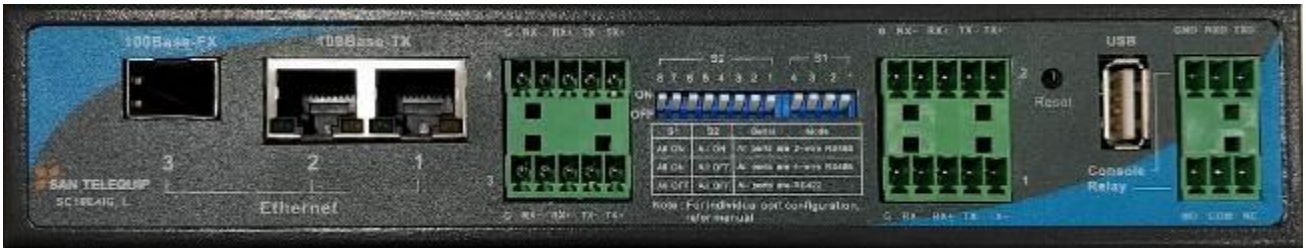
DIP Switch Setting

Mode Select	COM Port	4 Way DIP Switch 1- S1 (Selection for RS485 & RS422)	8 Way DIP Switch 2 -S2 (Selection for RS485 2 Wire / 4 Wire)
RS485 2 Wire	COM1	Switch 1 ON & other switches are OFF	Switch 1,2 ON & other switches are OFF
	COM2	Switch 2 ON & other switches are OFF	Switch 3,4 ON & other switches are OFF
	COM3	Switch 3 ON & other switches are OFF	Switch 5,6 ON & other switches are OFF
	COM4	Switch 4 ON & other switches are OFF	Switch 7,8 ON & other switches are OFF
RS485 4 Wire	COM1	Switch 1 ON & other switches are OFF	Switch 1,2 OFF & other switches are ON
	COM2	Switch 2 ON & other switches are OFF	Switch 3,4 OFF & other switches are ON
	COM3	Switch 3 ON & other switches are OFF	Switch 5,6 OFF & other switches are ON
	COM4	Switch 4 ON & other switches are OFF	Switch 7,8 OFF & other switches are ON
RS422	COM1	Switch 1 OFF & other switches are ON	Switch 1,2 OFF & other switches are ON
	COM2	Switch 2 OFF & other switches are ON	Switch 3,4 OFF & other switches are ON
	COM3	Switch 3 OFF & other switches are ON	Switch 5,6 OFF & other switches are ON
	COM4	Switch 4 OFF & other switches are ON	Switch 7,8 OFF & other switches are ON

SC10E4IG_L Rear Panel



SC10E4IG_L Top Panel

SC10E4IG_L Bottom Panel

2.2 Connecting the Hardware

This section describes how to connect the SC10E4IG to Serial devices for the first time.

2.2.1 Wiring Requirements

Note:

Disconnect the power before installing and wiring

Disconnect the power cord before installing and/or wiring your SC10E4IG.

Do not exceed the maximum current for the wiring

Determine the maximum possible current for each power wire and common wire. Observe all electrical codes dictating the maximum current allowable for each wire size. If the current exceeds the maximum rating, the wiring could overheat, causing serious damage to your equipment.

2.2.2 Connecting to a Serial Device

Connect the serial data cable between the SC10E4IG and the serial device. Serial data cables are available as optional accessories.

2.2.3 LED Indicators

The LED indicators on the panel of the SC10E4IG are described in the following table.

LED Name	LED Color	LED Function
PWR	Green	On- Unit is powered
		Off- Unit is off
SYS	Yellow	Blinking- System is working normally
		Off- System is abnormal
TX1~4	Green	Blinking- Data being sent
		Off- No data being sent
RX1~4	Green	Blinking- Data being received
		Off- No data being received
RJ45	Green	On-100M
		Off-10M
	Orange	Blinking- Data on RJ45 is being transmitted
		On- Eth port is connected
		Off- Eth port is disconnected
ACT	Green	Blinking- Data on fiber is transmitting
		On- Fiber Port is connected
		Off- Fiber Port is disconnected

Chapter 3 Software Instructions

In this chapter, we explain how to configure the Virtual Serial port Manager.

The following topics are covered in this chapter:

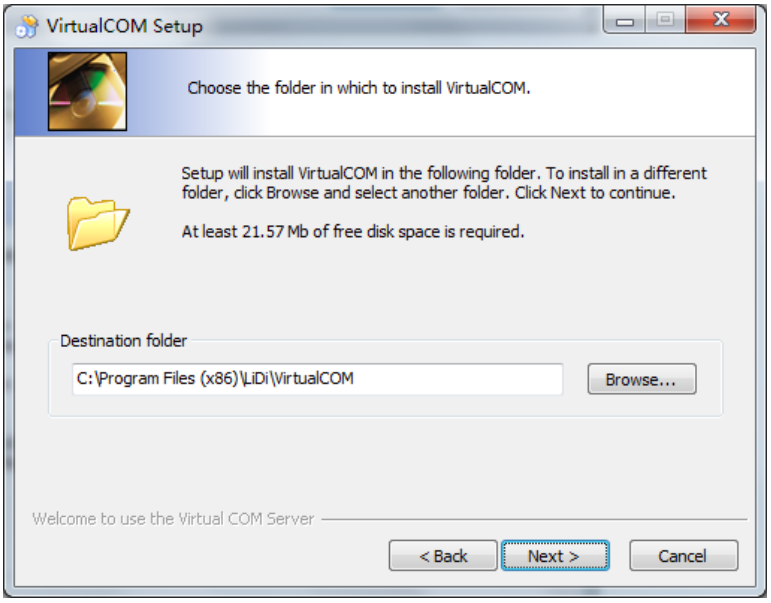
- Virtual Serial port Software Installation and Description
- Device Manager Software Installation and Description
- Web Manager Instructions

3.1 Virtual Serial port Software Installation

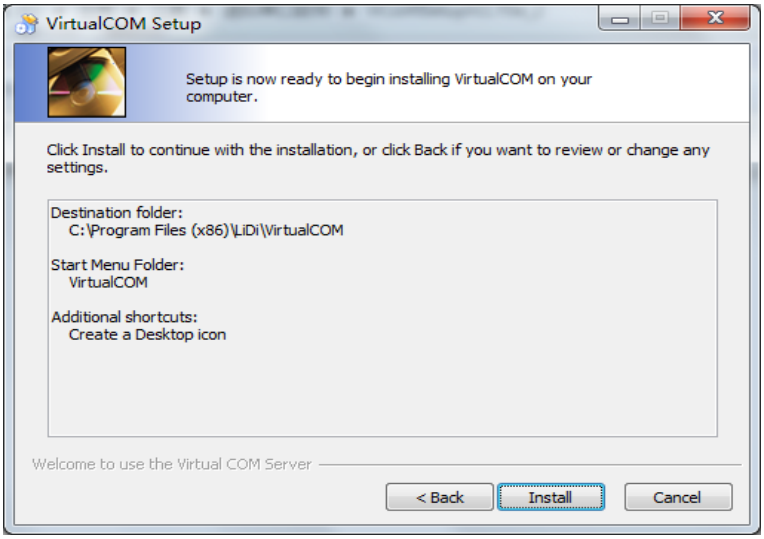
Users should follow these steps to install the application on a computer of the Windows platform.

Step 1 : Double-click to run installation program 'VcomSetupV2.74e_no_tools.exe'.

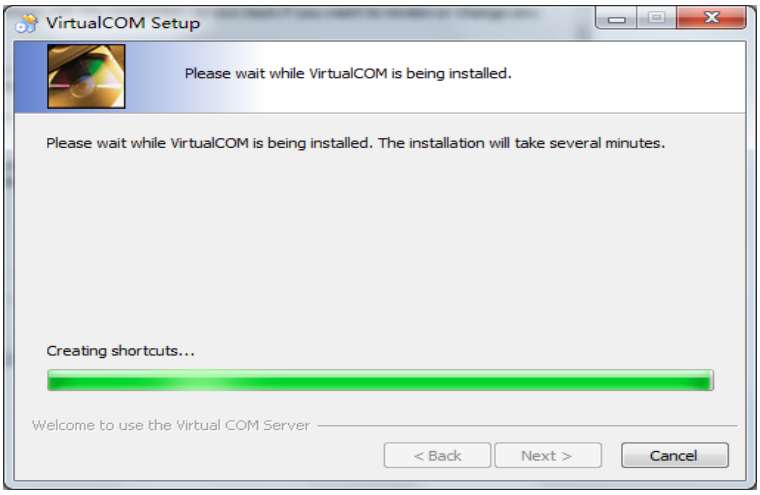
Step 2 : Click "Next" in the welcome windows, and display the following screen. Here you can modify the installation folder.



Step 3 : Click 'Install' to start the installation process.



The installation will take some time, please be patient!



Step 4 : Click 'Finish' to complete the installation process.

3.2 Virtual Serial port Software Description

Virtual serial port software is used to simulate the serial port of the field devices on the computer.

Virtual serial port software show ports as follows:

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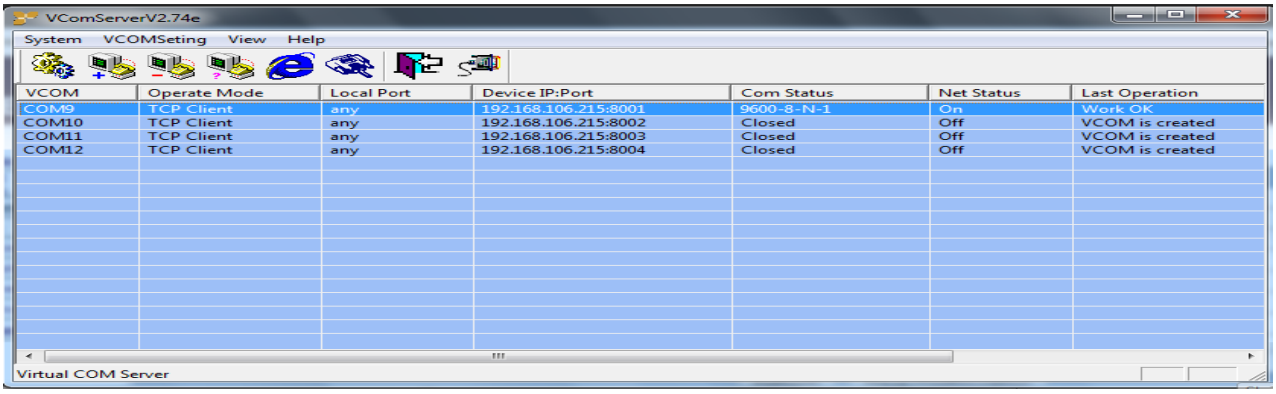
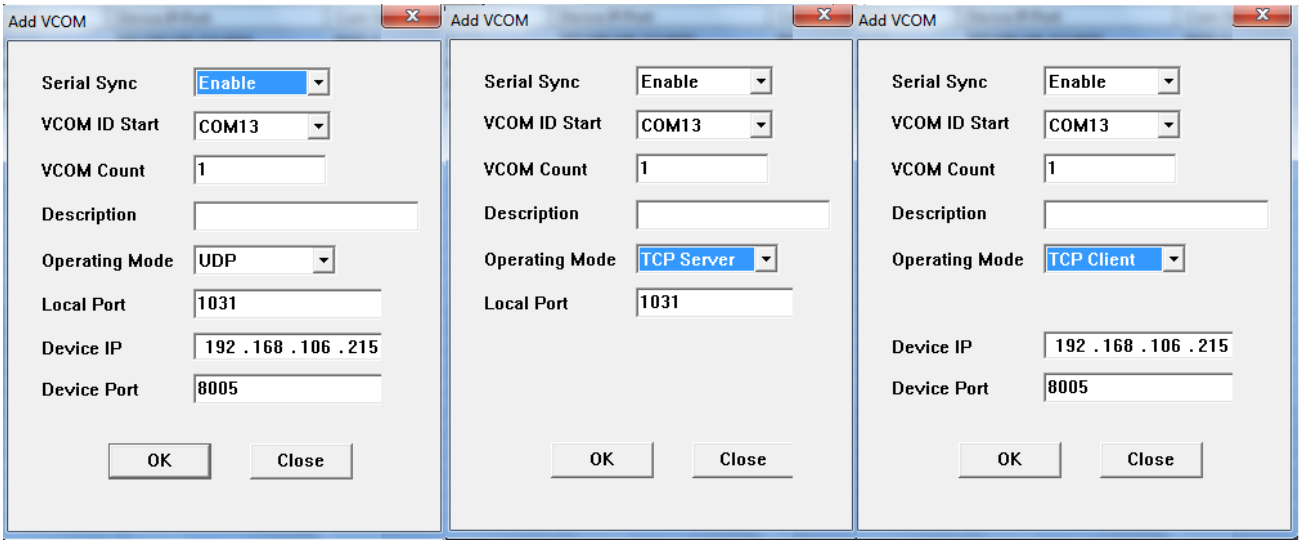


Virtual Serial port Management

Add Virtual serial port:

Click the icon to add serial ports, a dialog box will pop up. According to the Operating mode selected, it will show corresponding dialog box as follows:



Parameter Description

Serial Synch **:** This device does not support synchronization. Always keep it **DISABLE**

VCom ID Start **:** Select starting virtual serial port, COM2 to COM512

VCom Count : The no's of Ports that can be configured as VCOM ports. This device supports up to 4

Description **:** Any Remarks / Information

Operating Mode : Select UDP, TCP client, TCP server from the drop down option.

TCP client mode:

In TCP Client Mode, device can establish a TCP connection with server. After the data has been transferred, device can disconnect automatically

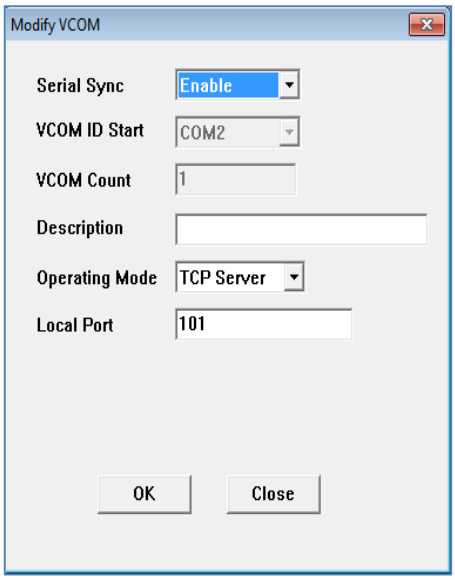
Remote IP : Enter the IP address of the Ethernet device connected to our Unit.

Port 1 : Enter the Port number of the Ethernet device connected to our Unit.

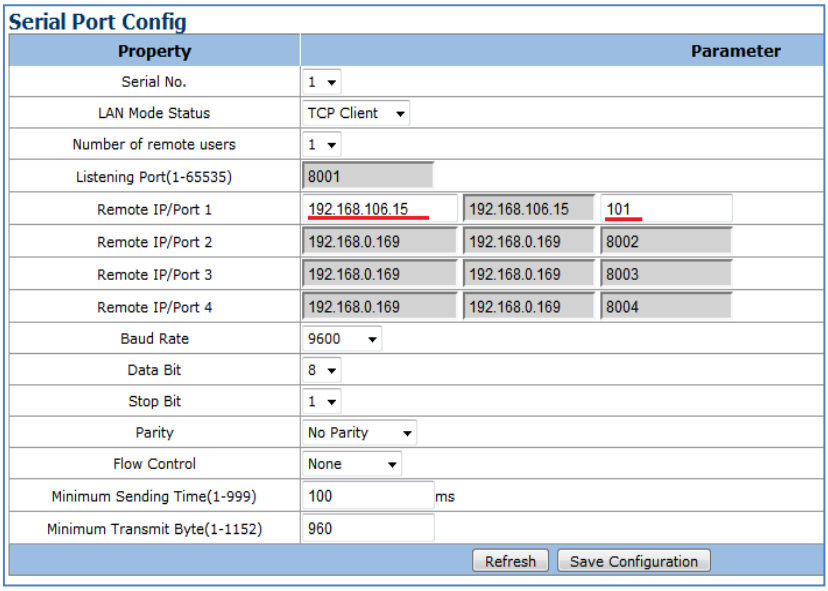
The below table explains the relationship of the IP Address / Port no in the Server and PC.

Computer Virtual serial port configuration (Assume Computer's IP address: IP A, Port: Port A)	**Device Configuration (Assume Device IP address: IP B, Port: Port B)**
Operating Mode : TCP server Local Port : Port A	LAN Mode status : TCP Client Listening Port : NA Remote IP : IP A Port 1 : Port A

VcomServerV2.74e



SC10E4IG_L page



TCP Server mode:

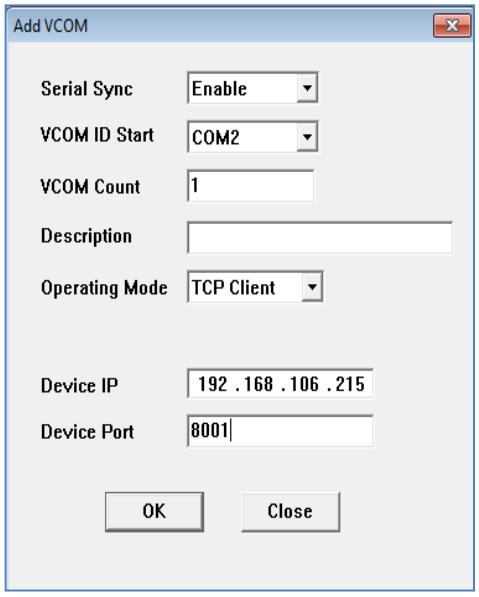
In this case, SC10E4IG-L waits passively to be contacted by the device.

Listening Port : Set any Unique port number except any reserve port.

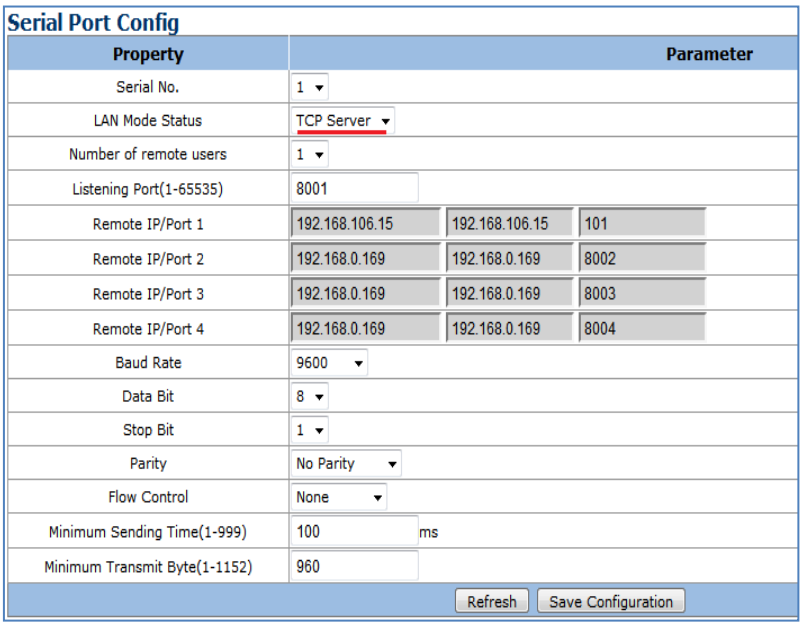
The below table explains how to set the IP Address / Port no in the Server as well as PC.

Computer Virtual serial port configuration (Assume Computer's IP address: IP A, Port: Port A)	**Device Configuration (Assume Device IP address: IP B, Port: Port B)**
Operating Mode : TCP Client Device IP : IP B Device Port : Port B	LAN Mode status : TCP server Listening Port : Port B Remote IP : NA Port 1 : NA

VcomServerV2.74e



SC10E4IG_L Page



UDP mode:

Compared to TCP communication, UDP is faster and more efficient. In UDP mode, you can Uni-cast or Multi-cast data from the serial device server to host computers, and the serial device can also receive data from one or multiple host

Remote IP : Enter the IP address of the Ethernet device connected to our Unit.

Port 1 : Enter the Port number of the Ethernet device connected to our Unit.

The below table explains how to set the IP Address / Port no in the Server as well as PC.

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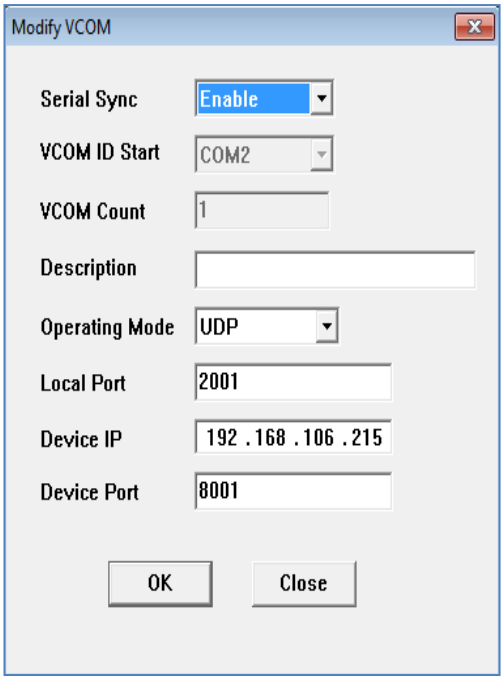
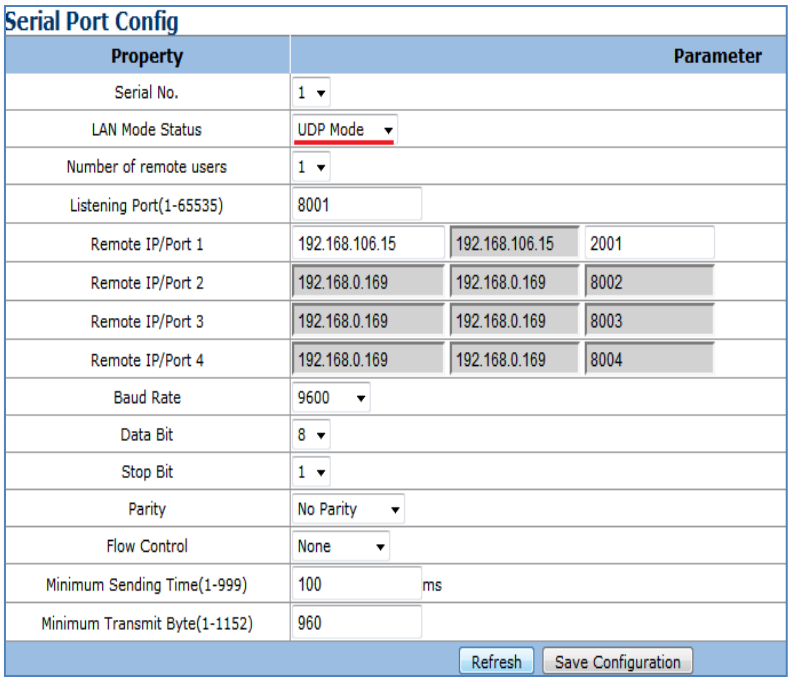
Computer Virtual serial port configuration (Assume Computer's IP address: IP A, Port: Port A)	**Device Configuration (Assume Device IP address: IP B, Port: Port B)**
Operating Mode : UDP Local Port : Port A Device IP : IP B Device Port : Port B	LAN Mode status : UDP Listening Port : Port B Remote IP : IP A Port 1 : Port A

VcomServerV2.74e



SC10E4IG_L



Deleting a Virtual serial port

Select the corresponding virtual serial port, click the '' icon to delete.

Modify the Virtual serial port

Select the corresponding virtual serial port, click the '' icon to edit.

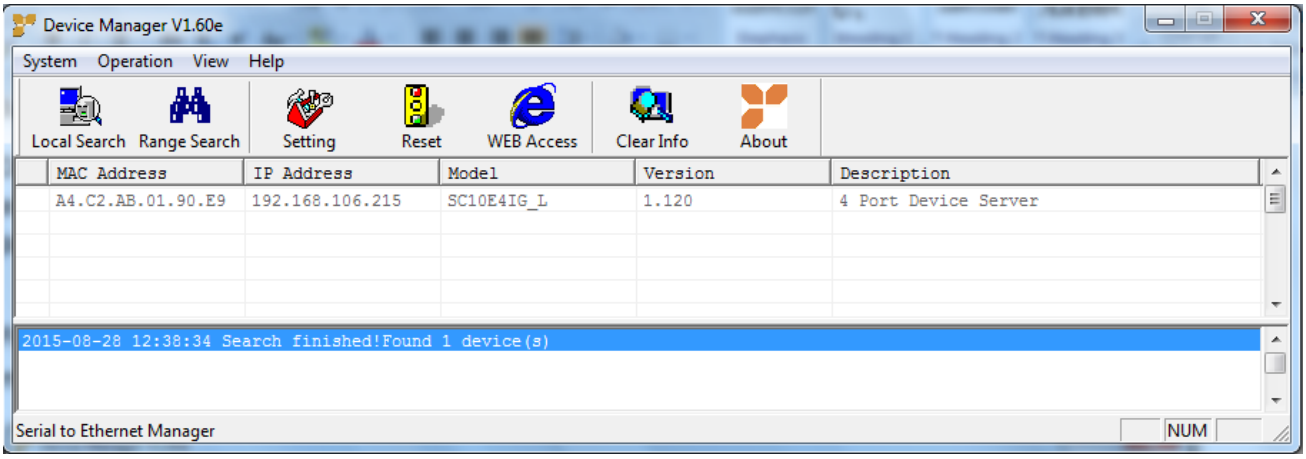
NOTE :

Make sure that all the firewalls including windows firewall should be closed during Virtual COM software installation.

3.3 Device Manager Software Introduction

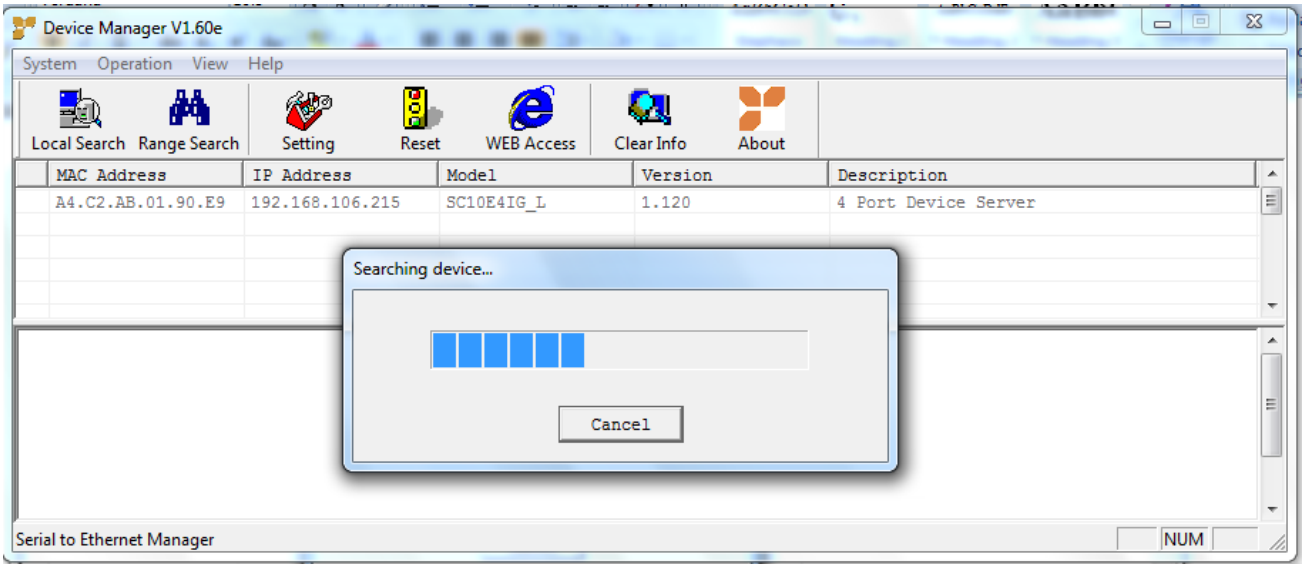
Device Manager is a comprehensive Windows GUI that can be used to conveniently configure and maintain multiple Serial Devices. It can search all the device, check and configure network parameter and serial port parameter of device. It also can remote update and reset device.

Firstly, open the Device Manager " DeviceManagerV1.60e.exe ", you can select related button or menu to use each function



Searching Device

Through press "Local Search" button to update all Serial Device that are connected to the same LAN as your computer.



Also the devices can be searched by IP Range Search or by keying in fixed IP address.

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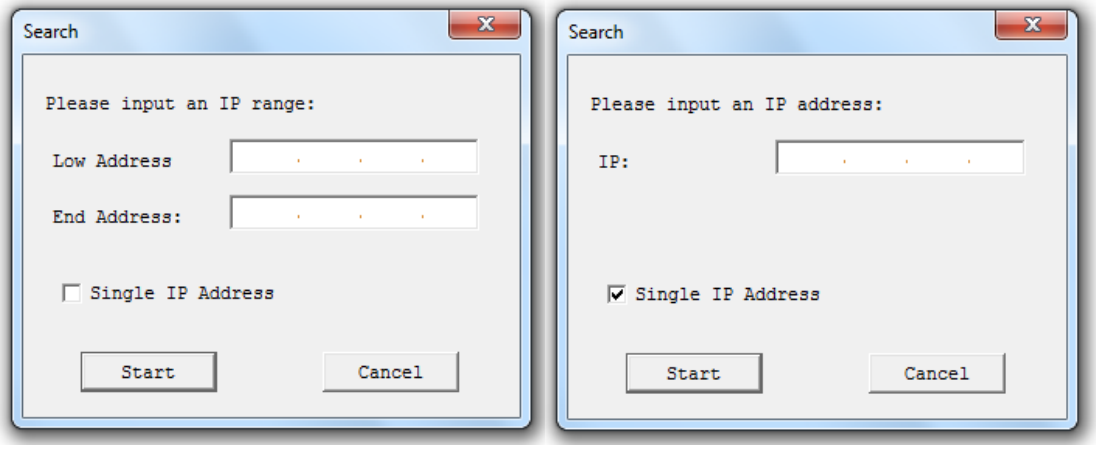
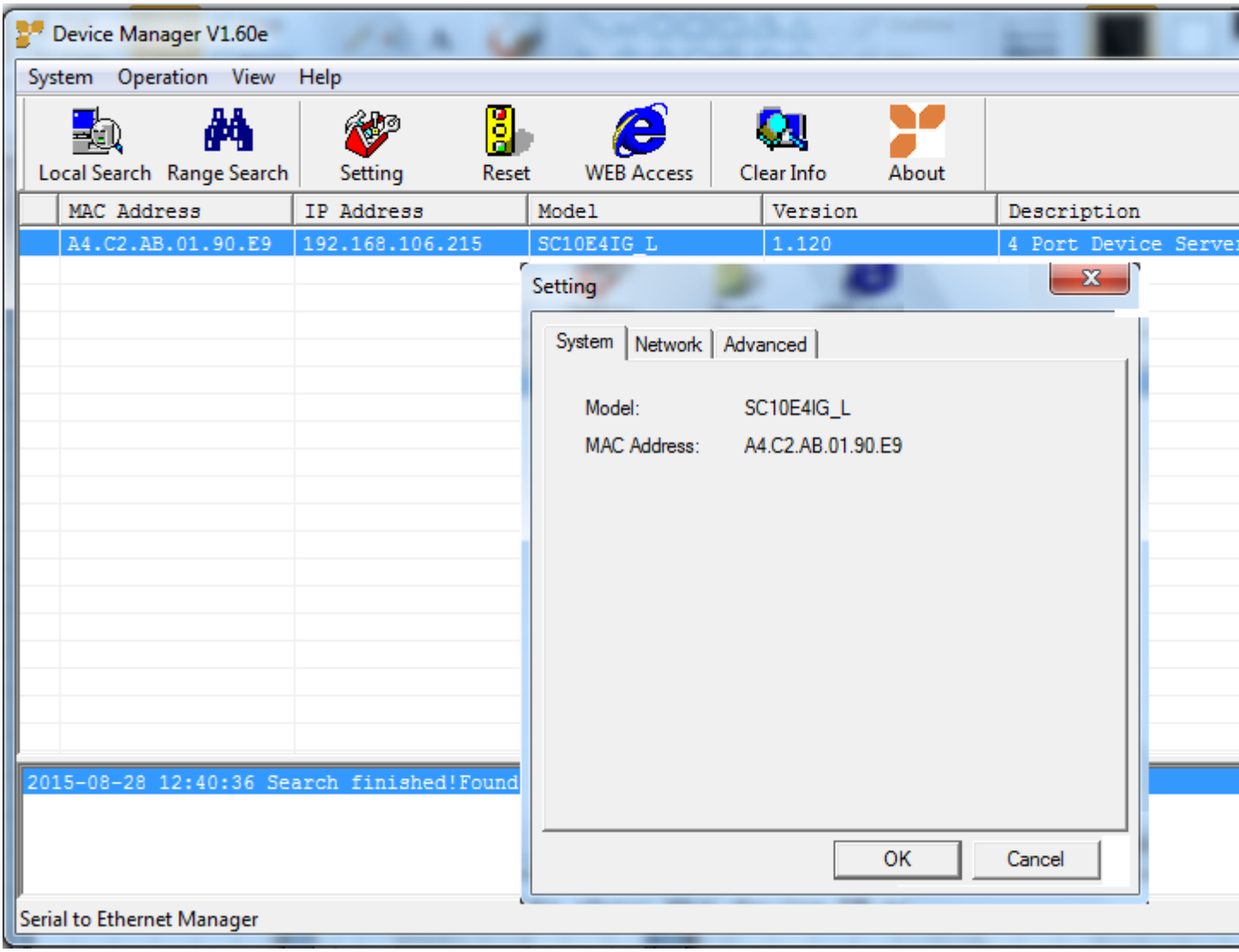


Setting : To modify the configuration of a particular Serial Device, first select the device entry, and then select Setting icon, or click on the Setting under the Setting menu. Press "System Information" can check the device Model, MAC address.



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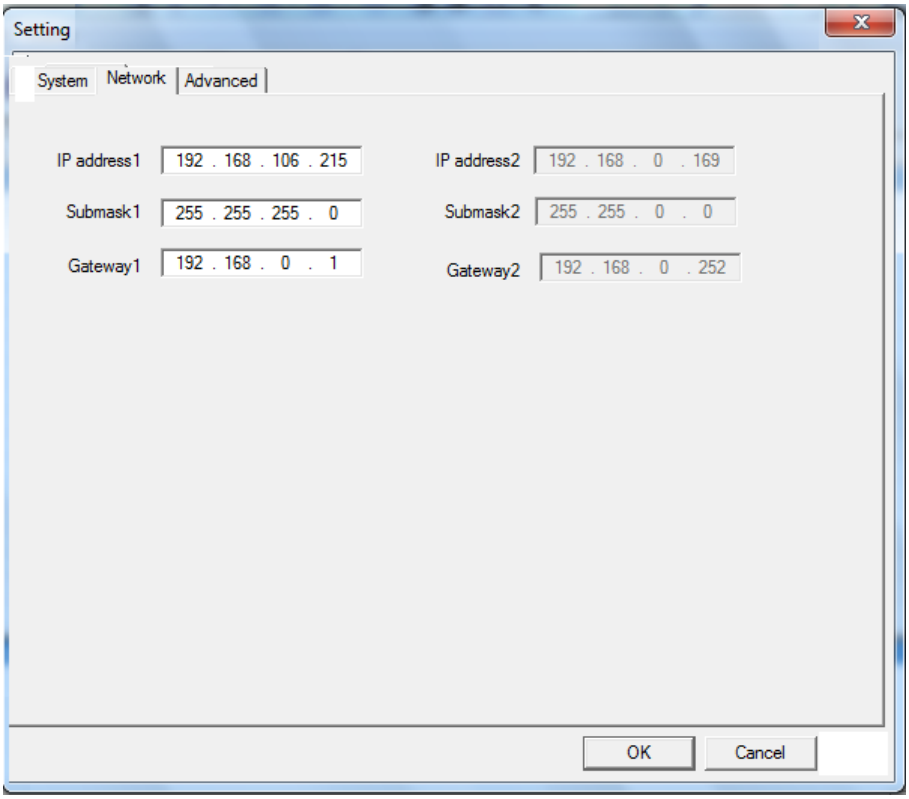
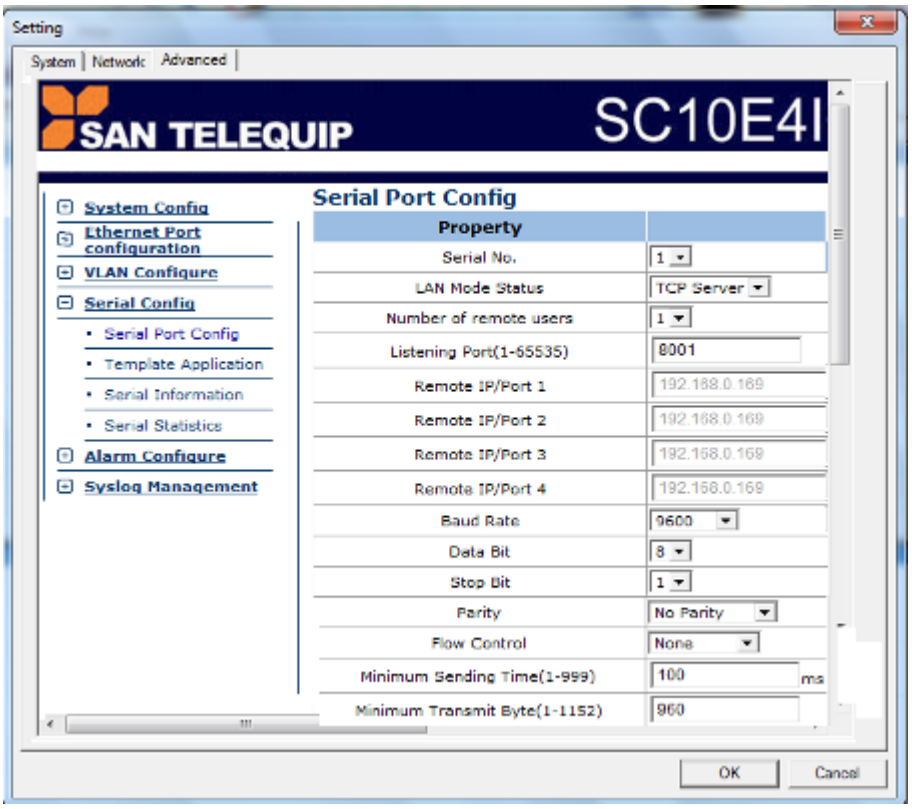
Press “Network” to show the device IP address, Submask and Gateway.



The COM Parameters page is used to modify the settings of Serial Port.



Min Send Time: Every time converter receives data from serial port, the timer value is set to zero. If the time interval reach the Min send time, and the Serial Port haven't received the next data, then the converter pushes the received data to the network. The default value of device Min Send Time is 100ms.

Min Send Size: The default value of device Min Send Size is 960 bytes. If the converter meets any of the 2 conditions, "Min Send Time" or "Min Send Size" it will send the data to the network. If serial port is at low baud rate, we suggest to change the Min Send Size to smaller value.

3.4 WEB Network Management Profile

3.4.1 Using Your Web Browser

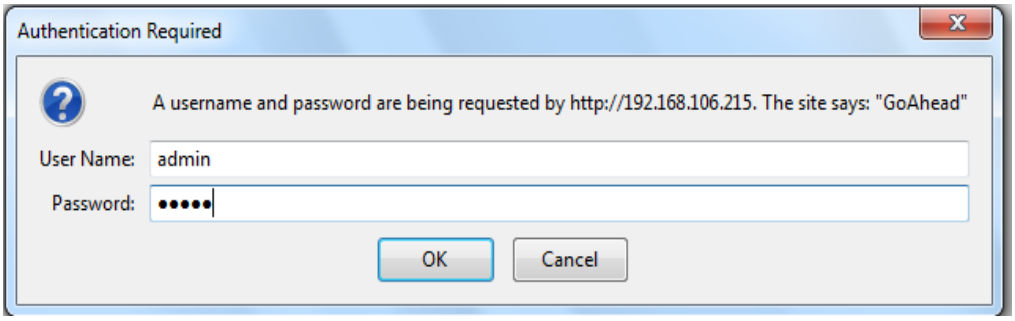
Open your browser, enter the device IP, and then enter the user name and password as the following steps.

Default IP

IP address: 192.168.0.100

User name and password:

The default user and password are both "admin".

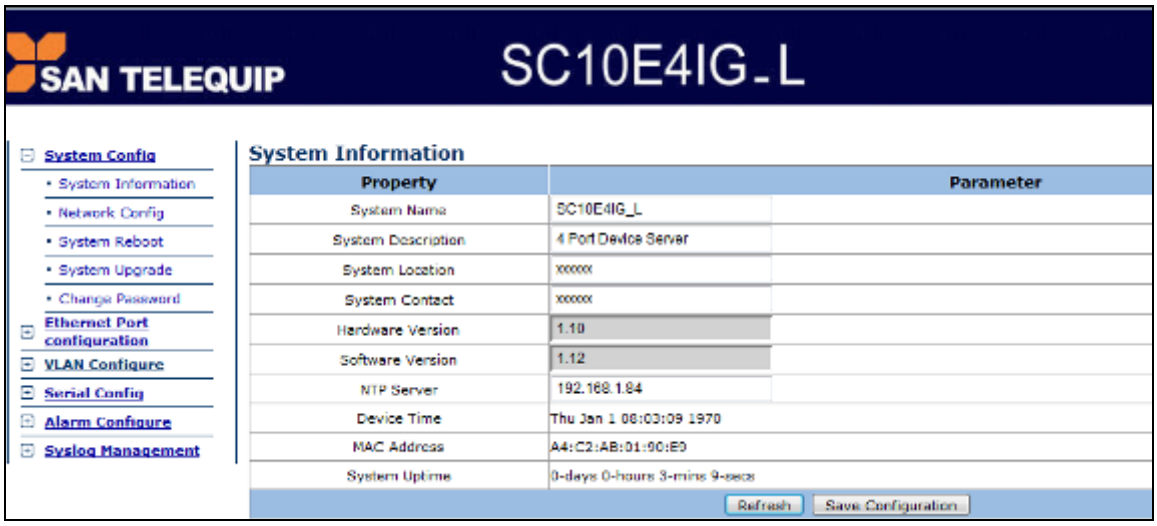


3.4.2 WEB Function Setting Description

System Config

System Info

This page is to set the System Name, System Description, System Location, Contact Information, Hardware Version, Software Version, NTP Server and so on. Once you configure the NTP Server IP and press "OK", the device time will synchronize with the NTP Server.

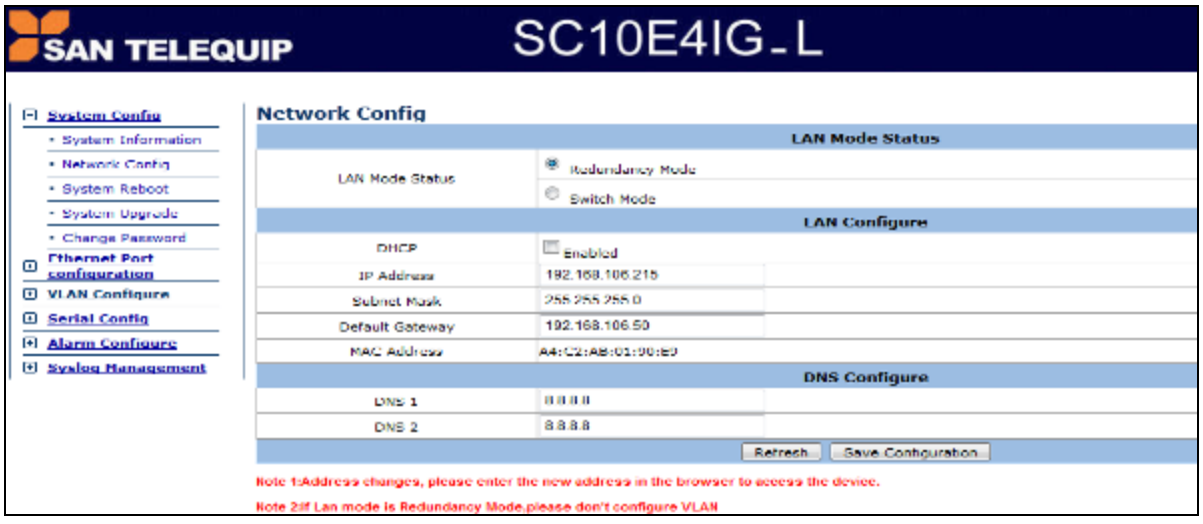


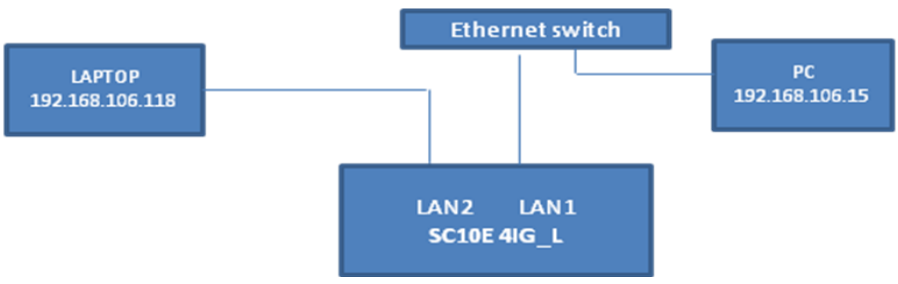
Note: The Settings will be saved to the configuration file.

Network Config

This page is to set the Device IP, Subnet Mask, Gateway & MAC Address, DHCP, LAN Mode (Redundancy Mode or Switch Mode) & DNS Server details.

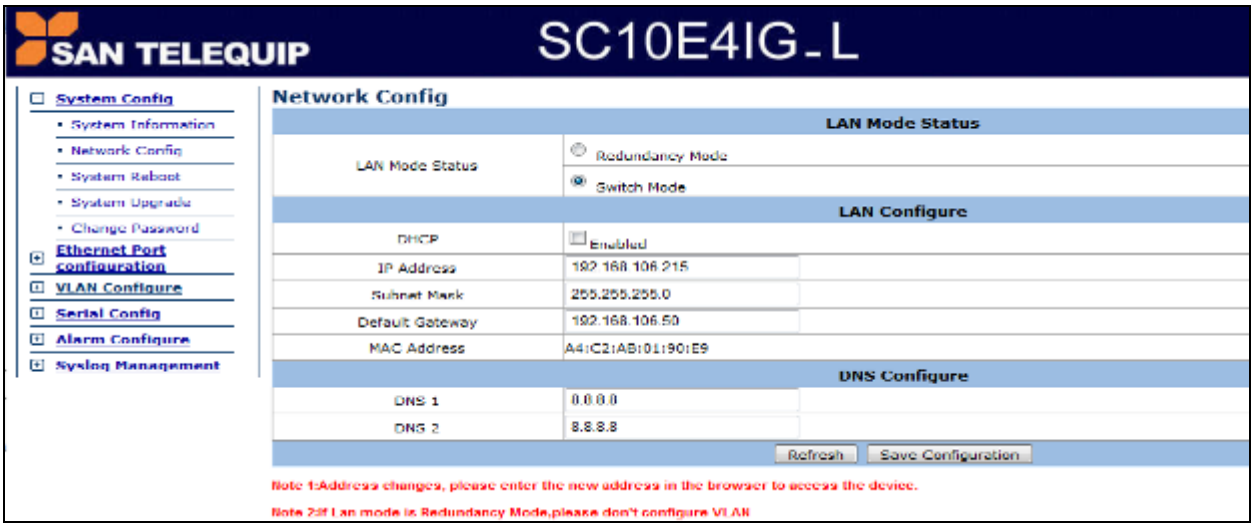
Redundancy Mode

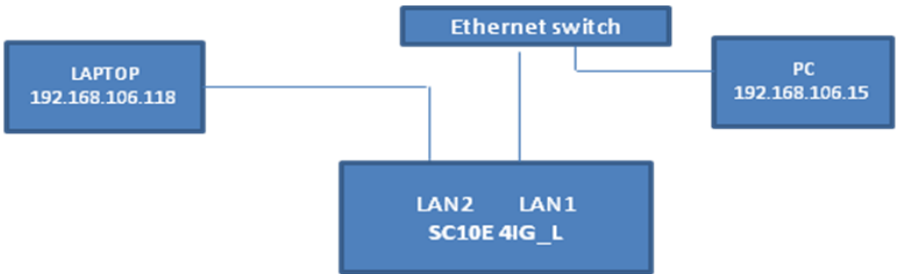




At a time one LAN port works. LAN1 is acting as a Master. When LAN 1 cable is removed then pinging starts after 2-3 sec in LAN2 but when LAN1 is connected again, LAN2 stop pinging & LAN1 start pinging. At a time one LAN port works.

Switch Mode





Both LAN ports work at a time.

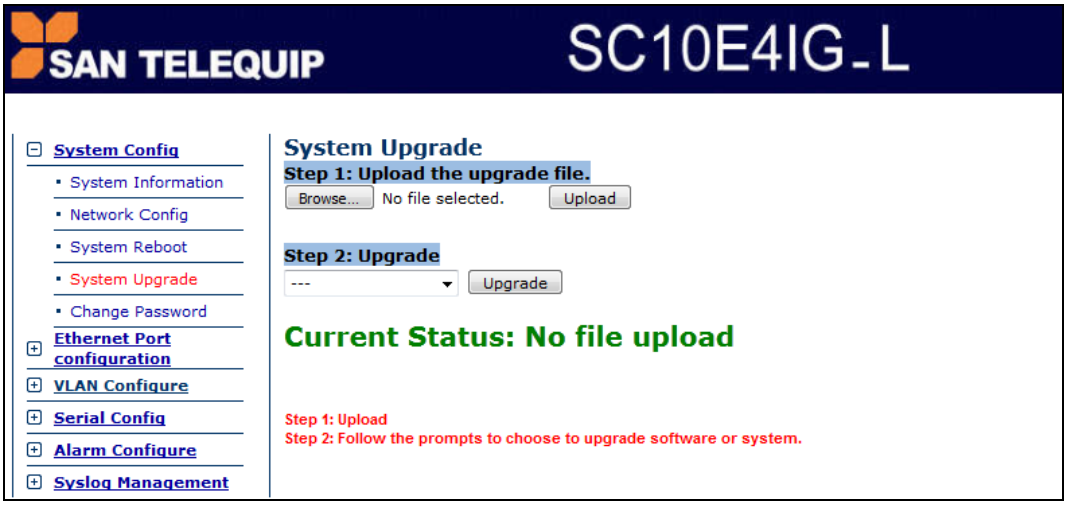
Note: Once the IP address changes please enter the new address in your browser.

System reboot

Reboot the device or restore factory settings.

Note: If Restore factory setting is selected, system will reboot automatically.

System Upgrade



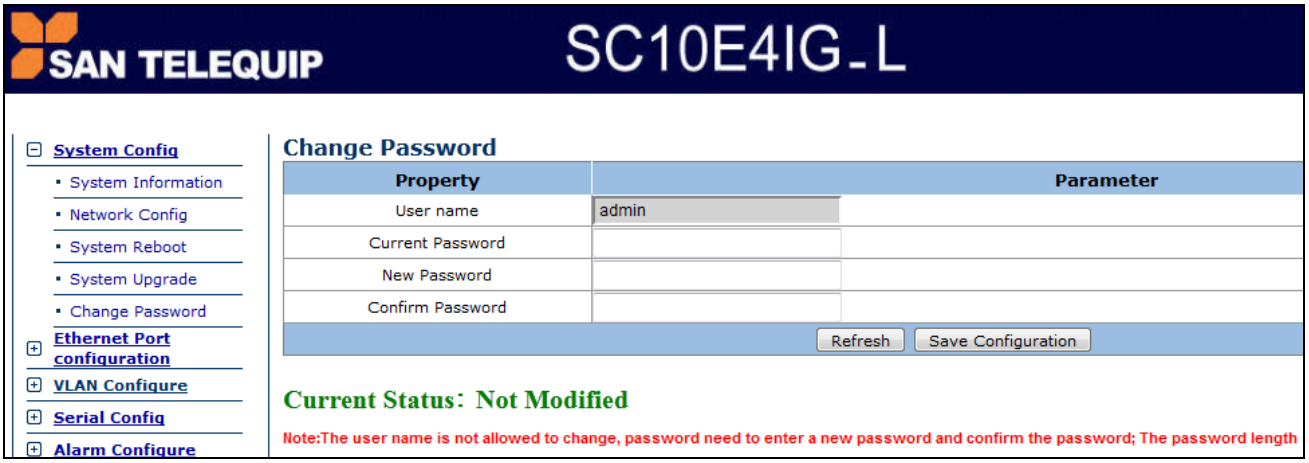
Upgrade Tips:

Step 1 : Upload the upgrade file

Step 2 : Choose upgrade software or configuration file to upgrade.

Change Password

This page can change the Password.



Note: The password length should not be less than 5 digits

Ethernet Port Configuration

This page is to set the Ethernet Port to 10M-HALF Duplex, 10M-FULL Duplex, 100M-HALF Duplex, 100M-FULL Duplex or Auto Mode.

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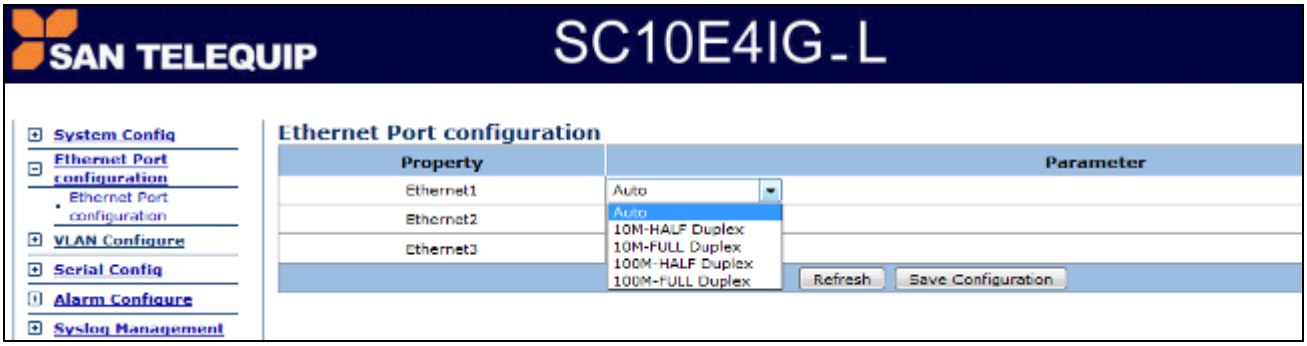
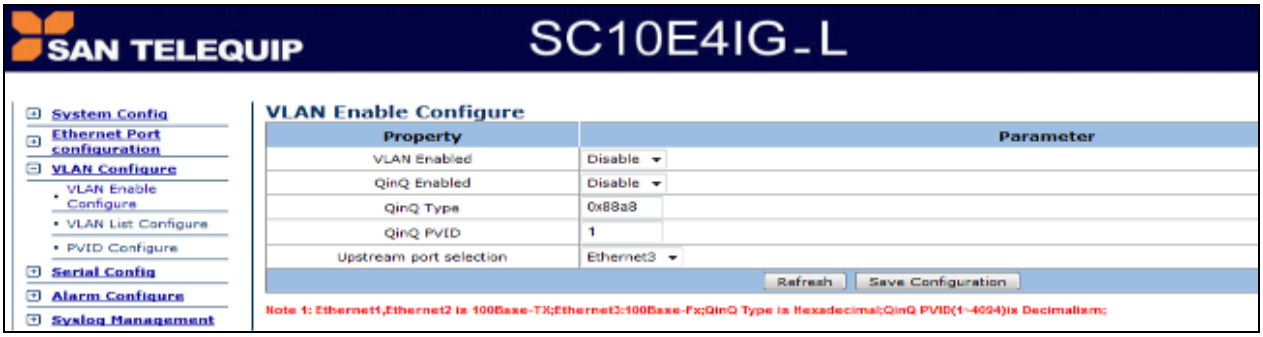


VLAN Config

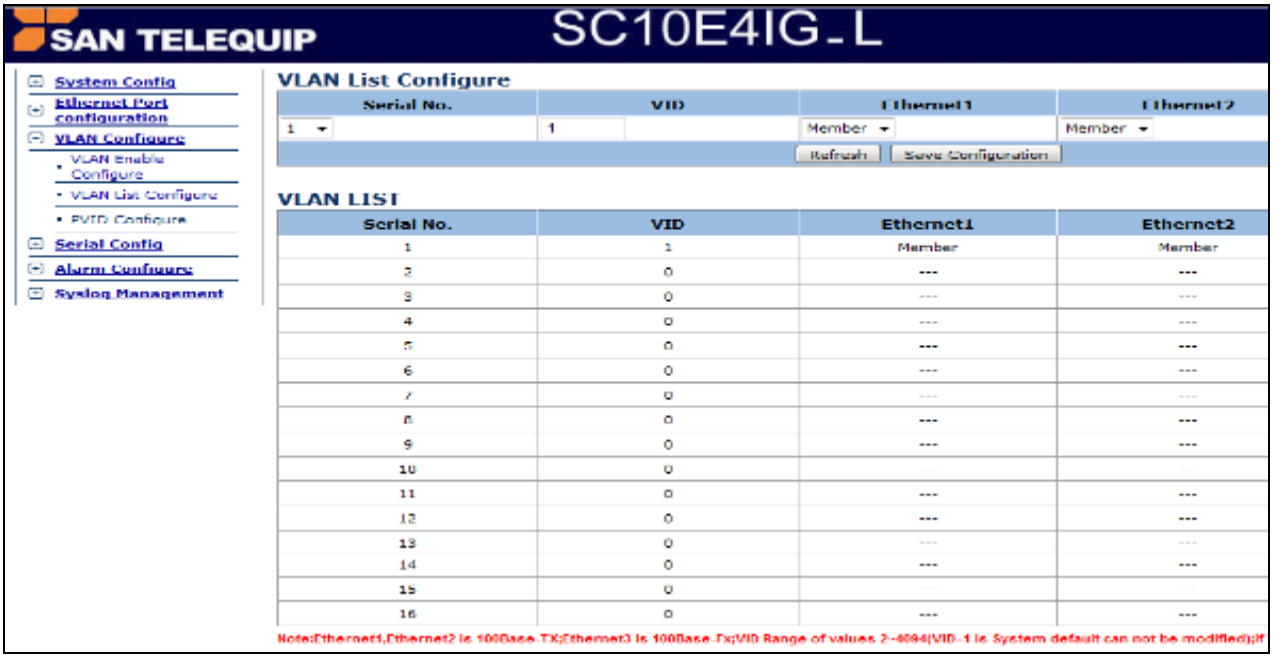
VLAN Enable Configure

This page is to set VLAN Enable, QinQ Enable, QinQ Type, QinQ PVID and Upstream port selection.



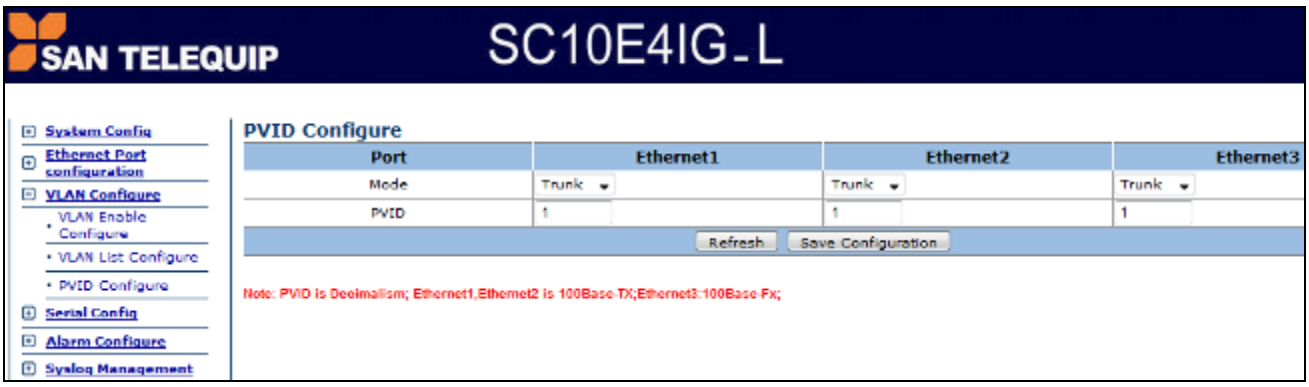
VLAN List Configure

This page is to set the VLAN List table.



PVID Configure

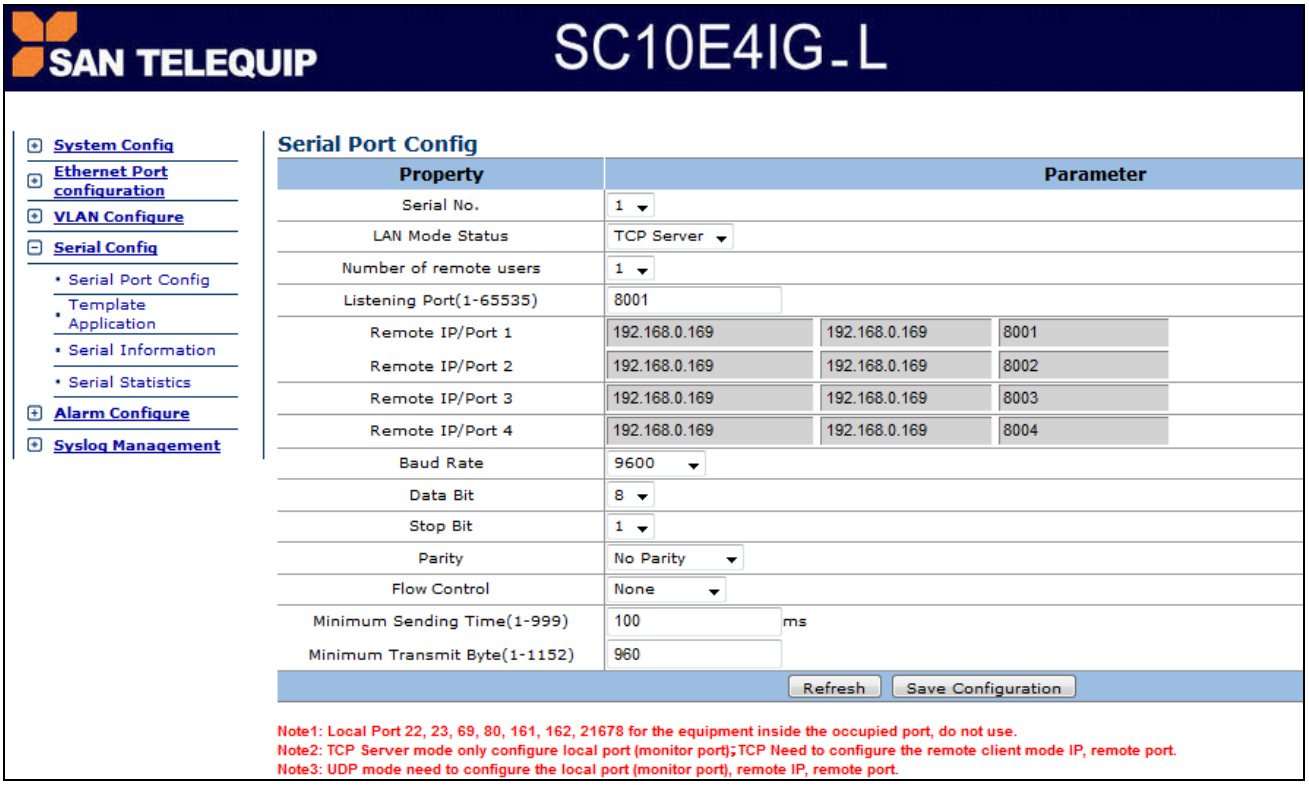
This page is to set the Ethernet Port PVID Configure.



Serial Config

Serial port Config

This page is to set single Serial port parameters, select the Serial No and then enter the details.



Template Application

This page is to set a batch of Serial port parameters.

San Telequip Private Limited,
504/505 Deron Heights, Baner Road, Baner
Pune 411045, Mah, India
Phone : +91-20-27293455, 9764027070, 8390069393
email : info@santelequip.com

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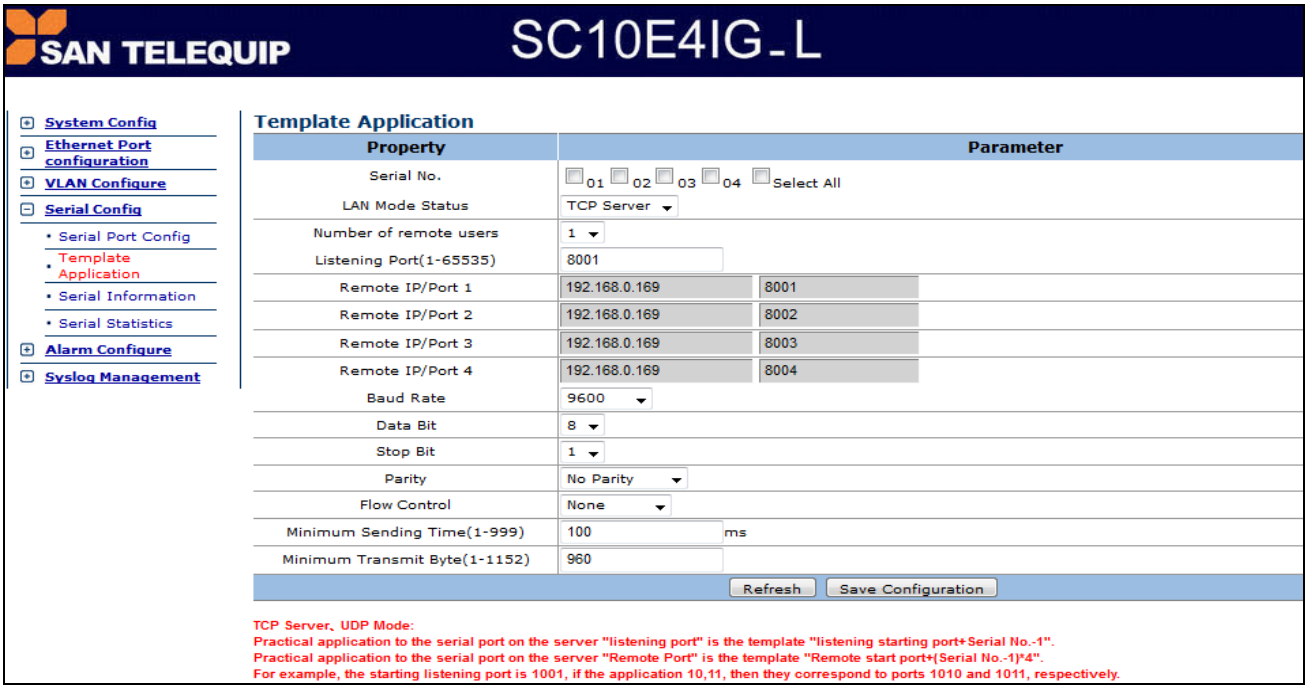
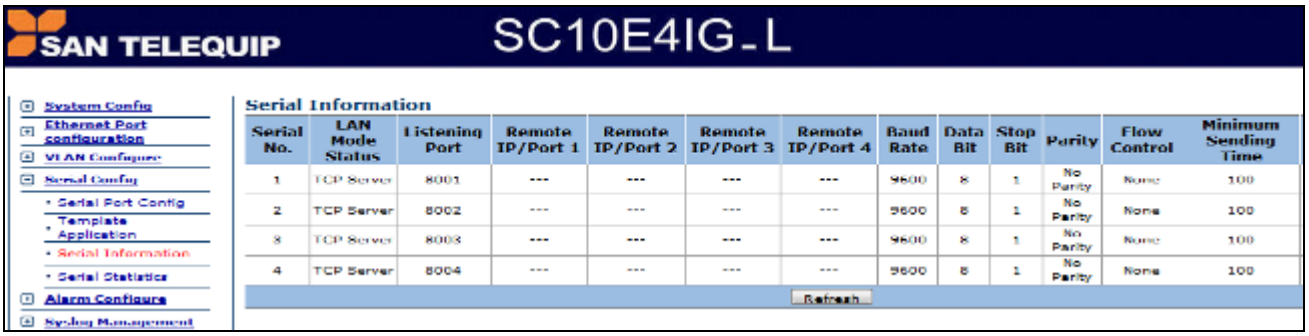


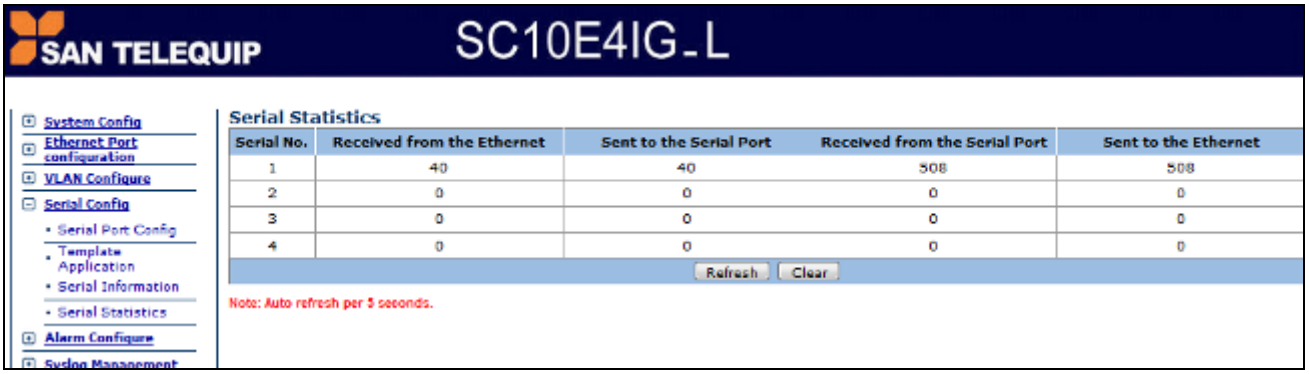
Serial Information

Display the current status information of all the Serial ports.



Serial Statistics

Check the detailed communication performance of each Serial port.



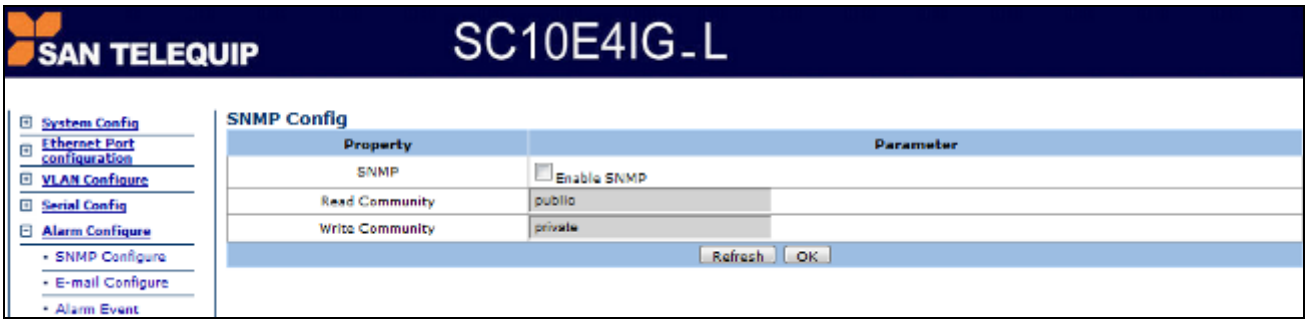
Note: The statistics data refreshes every 5 seconds.

Alarm Configure

We can configure various Alarms in the system as SNMP Traps or get Alarm Alerts on Emails.

SNMP Configure

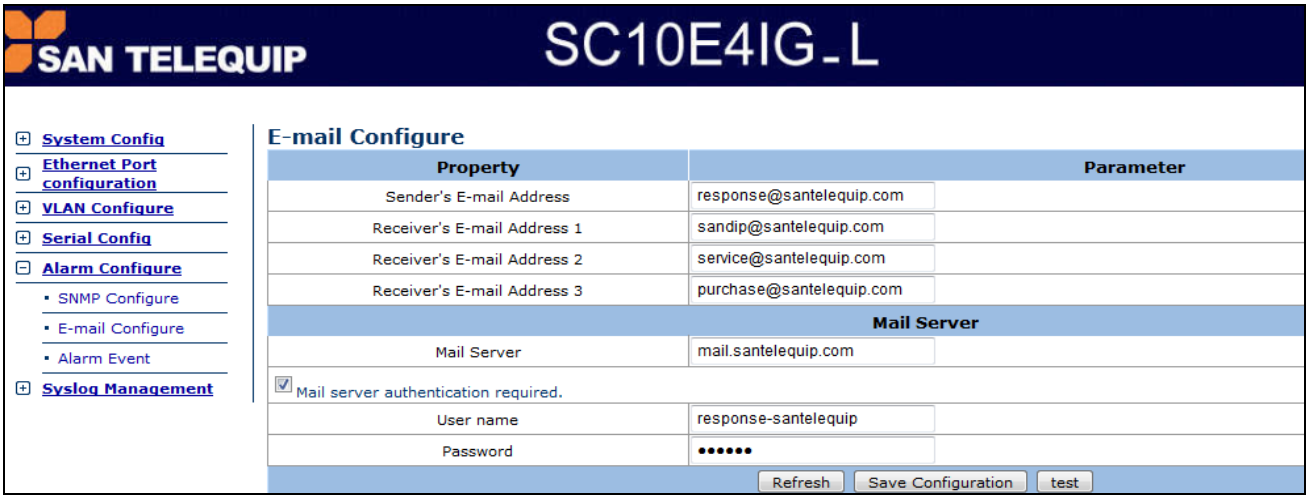
This page is to set SNMP function



E-mail Config

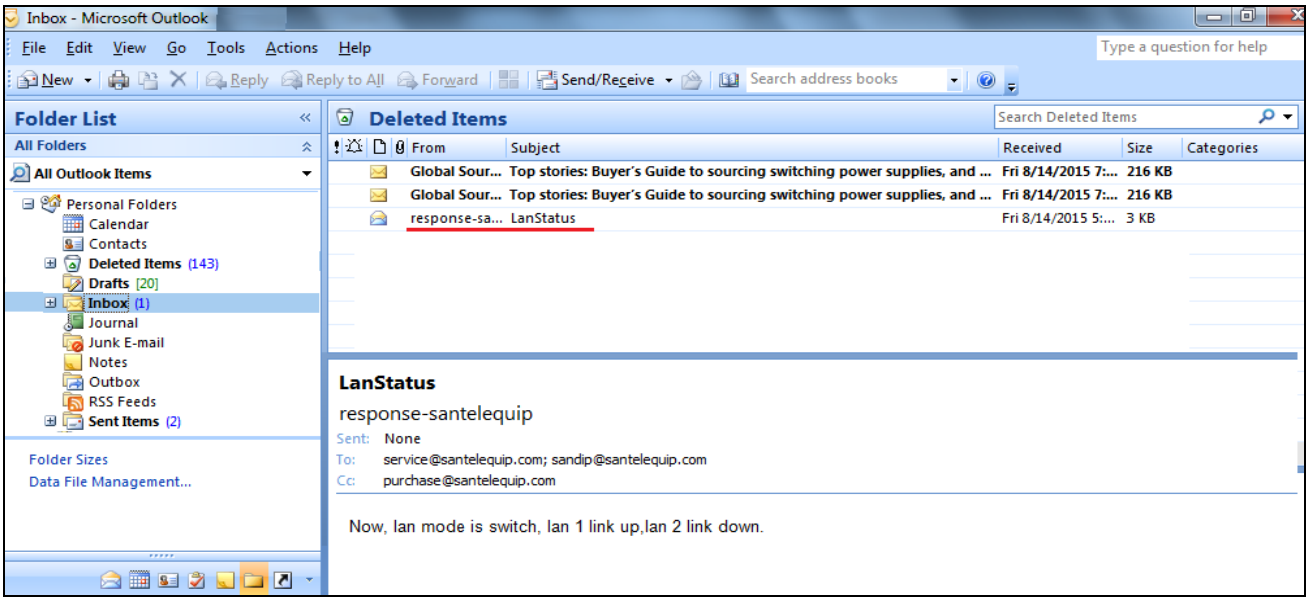
This page is to set Sender's E-mail Address, Receiver's E-mail Address and Mail Server details. Please check the following:

1. Your email server should be valid. Check with your System Admin
2. Your System is Internet enabled else you will not receive emails
3. Your email id is working properly and can receive & transmit emails Confirm that your system admin has not blocked this domain
4. Check the User Name & Password of the email independently
5. The User name & password to be filled in the below screen should be that of the Sender email id holder
6. Use Test function to confirm your data fed in this screen shot is correct. Correct the data & recheck the Test function
7. Check the authenticity of the DNS Server which you have entered during the Configuration of this device. See page 19
8. Avoid using commercial email servers like Hotmail, Gmail etc



Note: Before configure the E-mail warning function, you must set a Mail Server.

LAN Status Event Mail Received



Alarm Event

Set the Alarms for Login Failed, Port Connected, Port Disconnected, Password Changed, Lan Status and the SNMP Trap Server IP. You can choose out of the 8 Alerts available in our device. You can also choose the Alarm type as Traps or Emails or Both.

Relay warning output: One channel 1A, 24V DC. for Eth1 and Eth2 Link Down, Power 1 and Power 2 down .

You will have to load a MIB Browser on a PC to see the Traps generated The IP address of this PC should be entered as SNMP Trap Server in the below screen.

Select Receive Traps in the MIB

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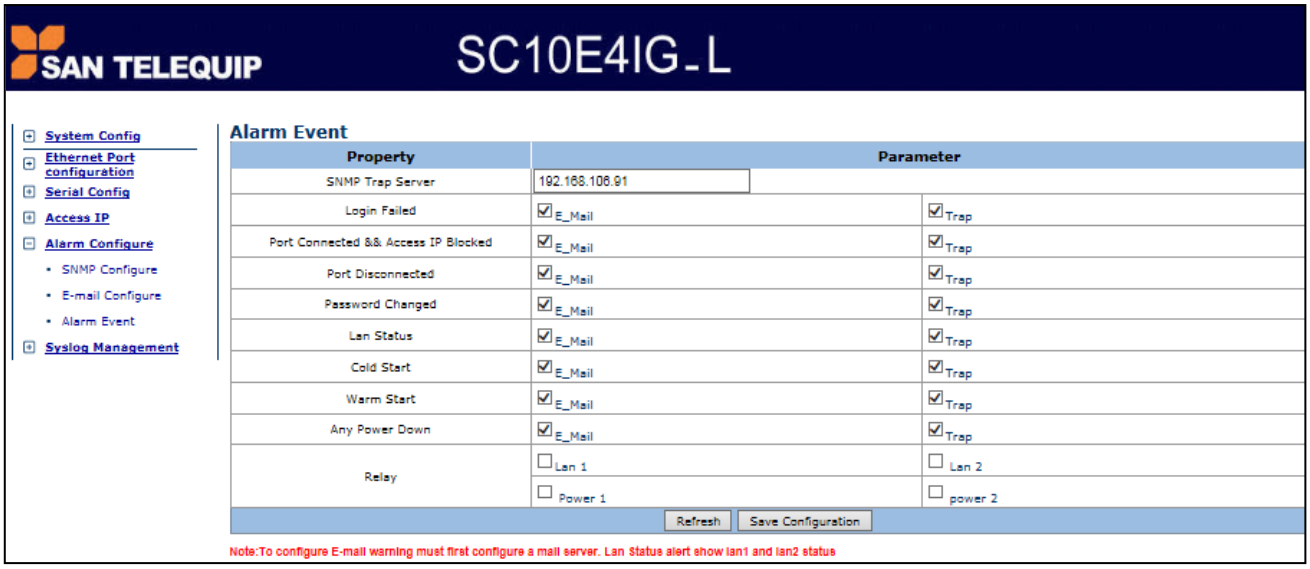
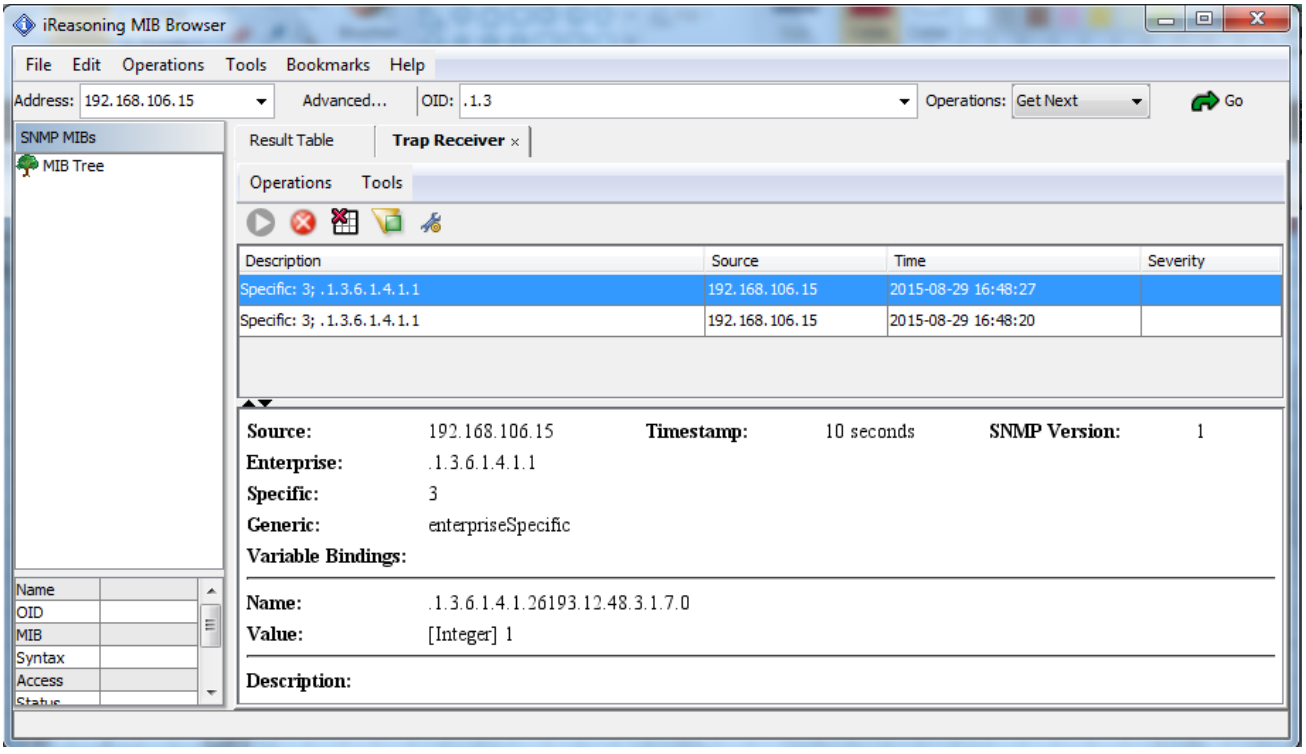


Trap received in MIB Browser



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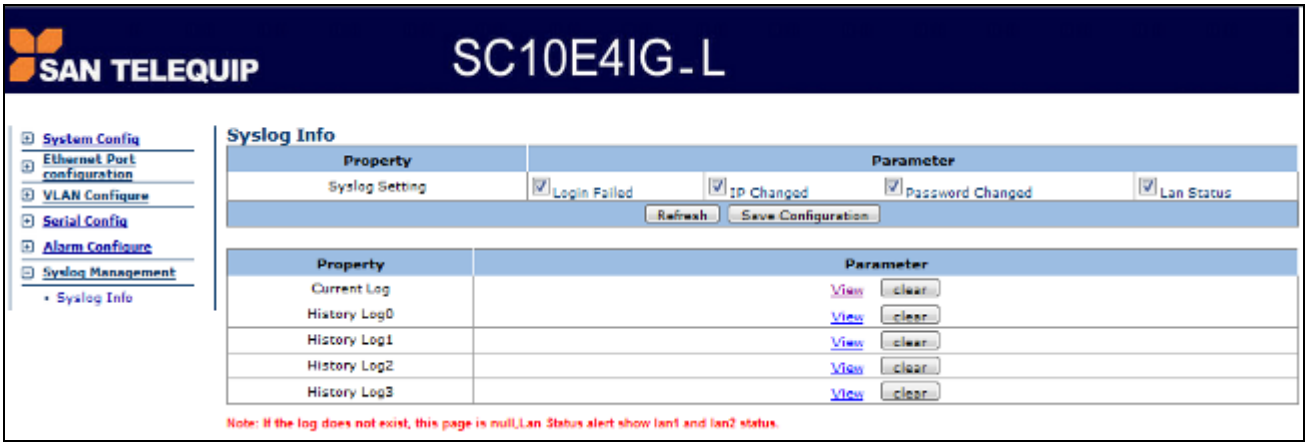
email : info@santelequip.com

Syslog Management

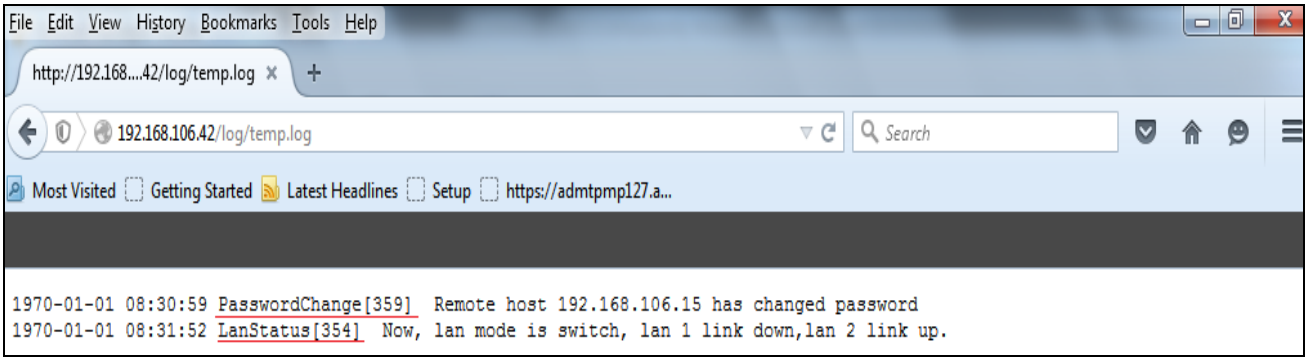
Syslog Info

All the Alarms & System performance details are logged in SYSLOG too. You can choose to

Set the Syslog to give you information on Login Failed, IP Changed, Password Changed and Lan Status. You can view the Syslog history and also clear it on this window.



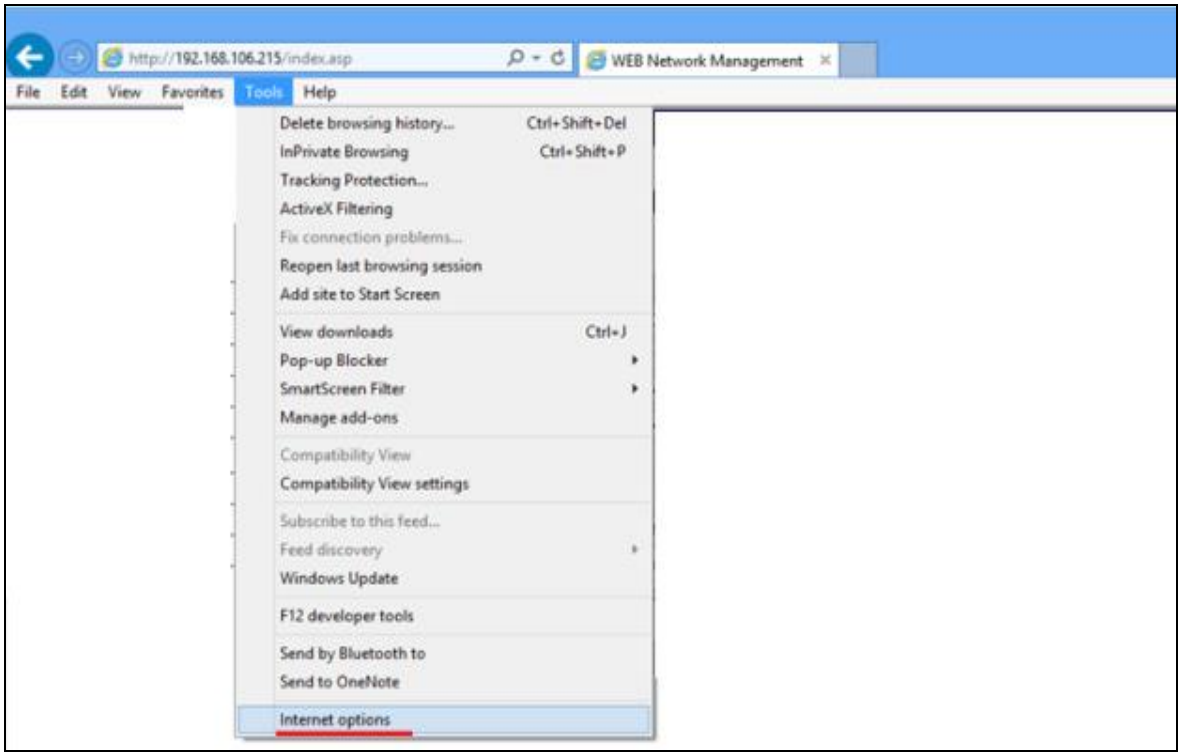
Password change & LAN Status log received in Syslog.



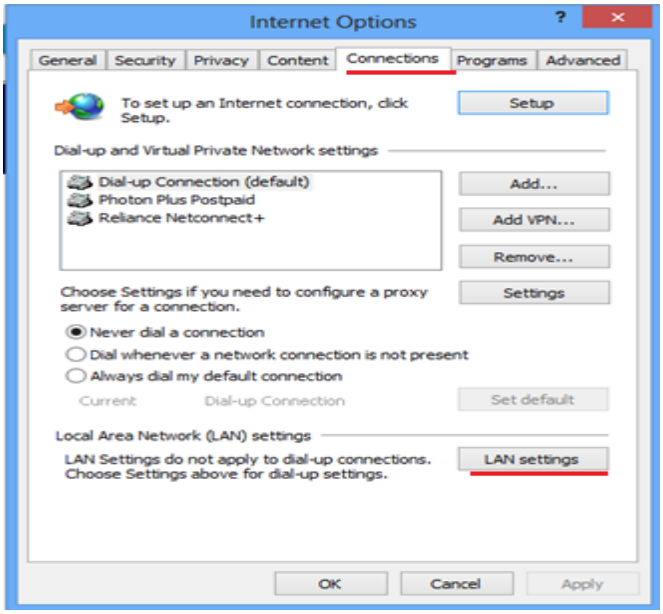
WEB configuration page does not open in normal condition but when Connect to internet then WEB page is getting open.

If Internet Explorer "Proxy Server "option is selected, the IP address should be used of the SC10E4IG_L then it works.

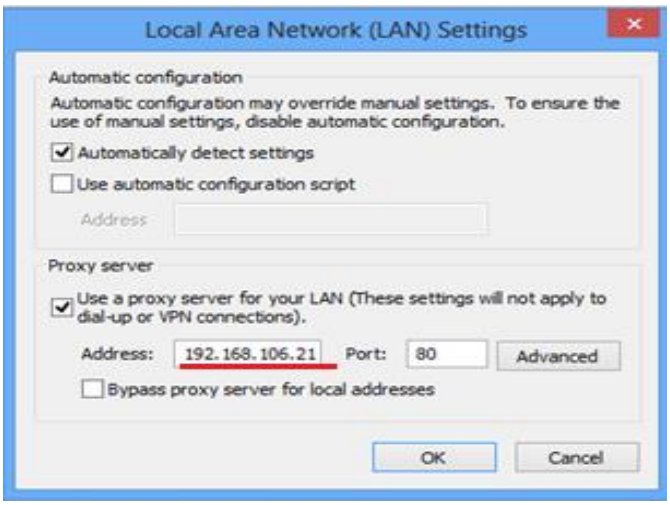
1. In Internet Explorer browser selects Tools / Internet options



2. Select Connections/ LAN settings

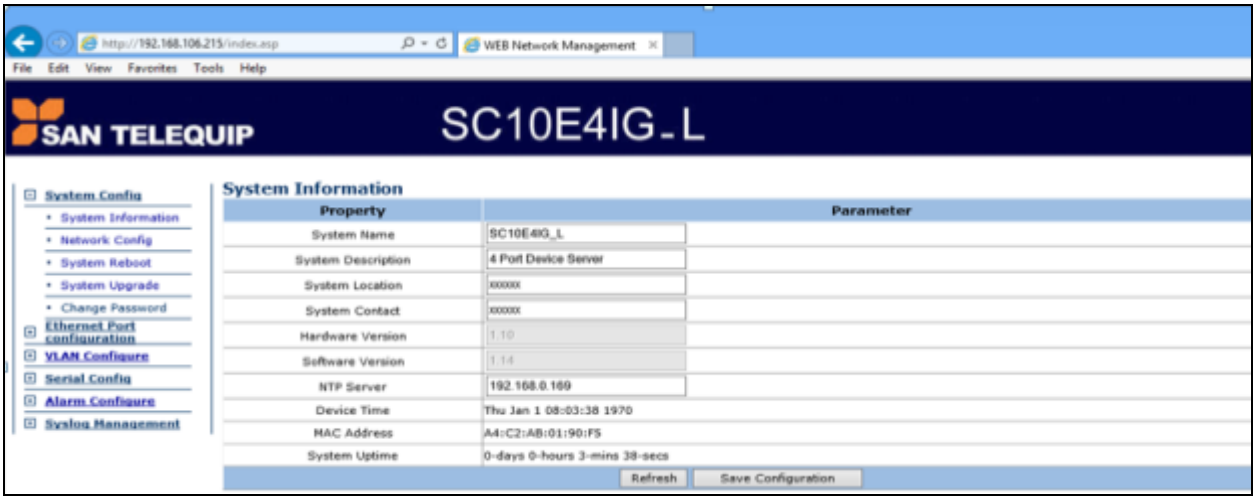


3. Proxy Server option is selected, IP address use of the "SC10E4IG"



4. Enter SC10E4IG_L IP address in Internet Explorer browser then enter User name and password are both "admin"

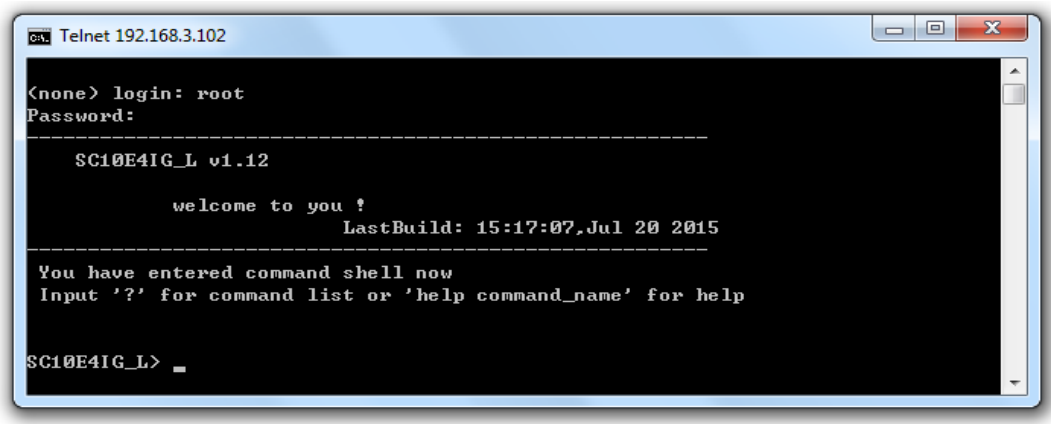
5. SC10E4IG_L WEB configuration page is open



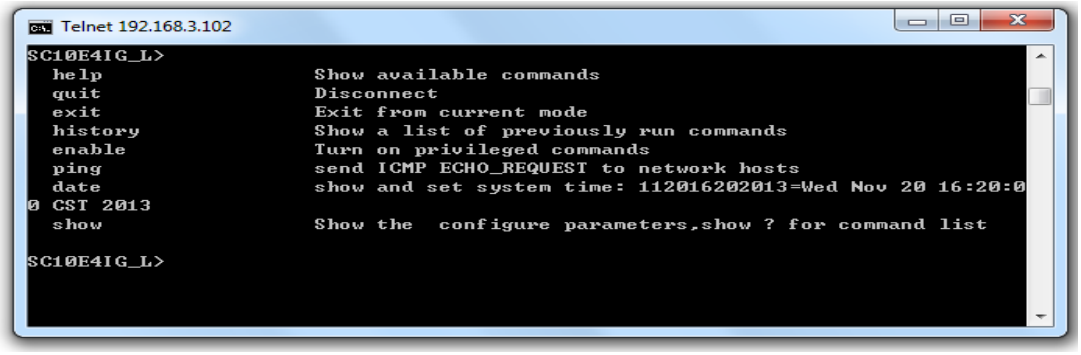
3.5 Telnet and Console Configuration Command

1 User name and Password:

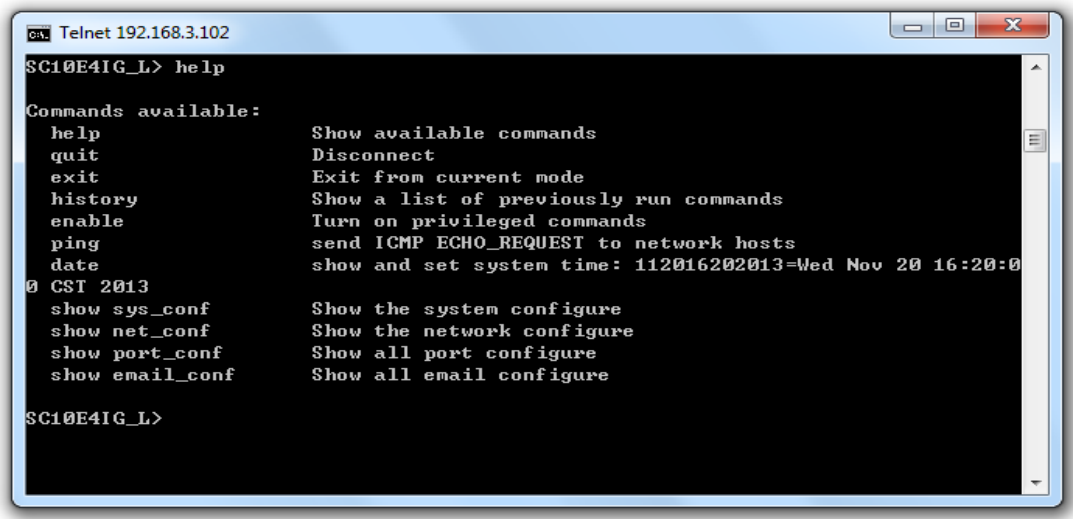
The default user and password are both "root".



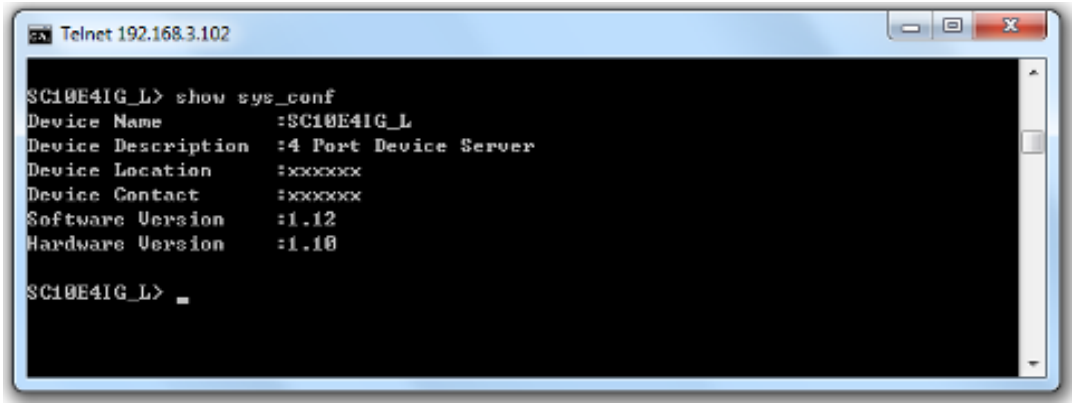
1.1 Enter'?' the screen displays as follows:



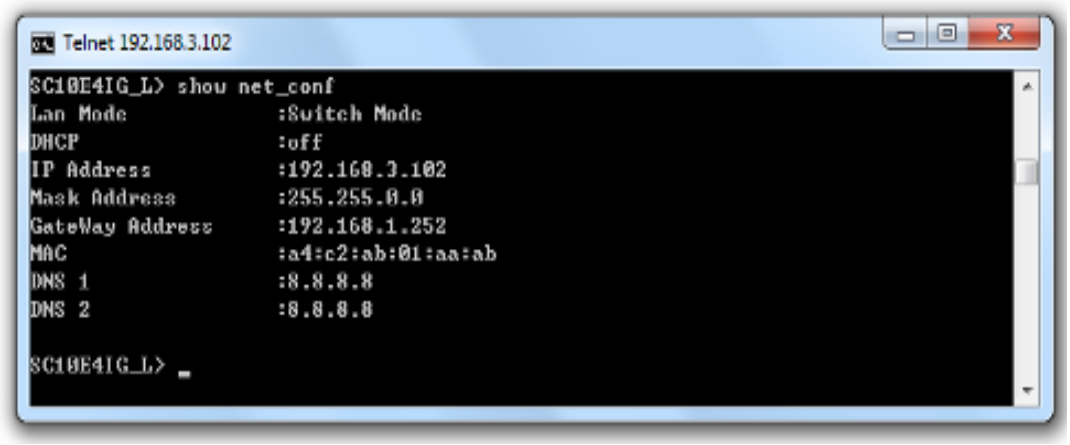
1.2 Enter "help", displays as follows:



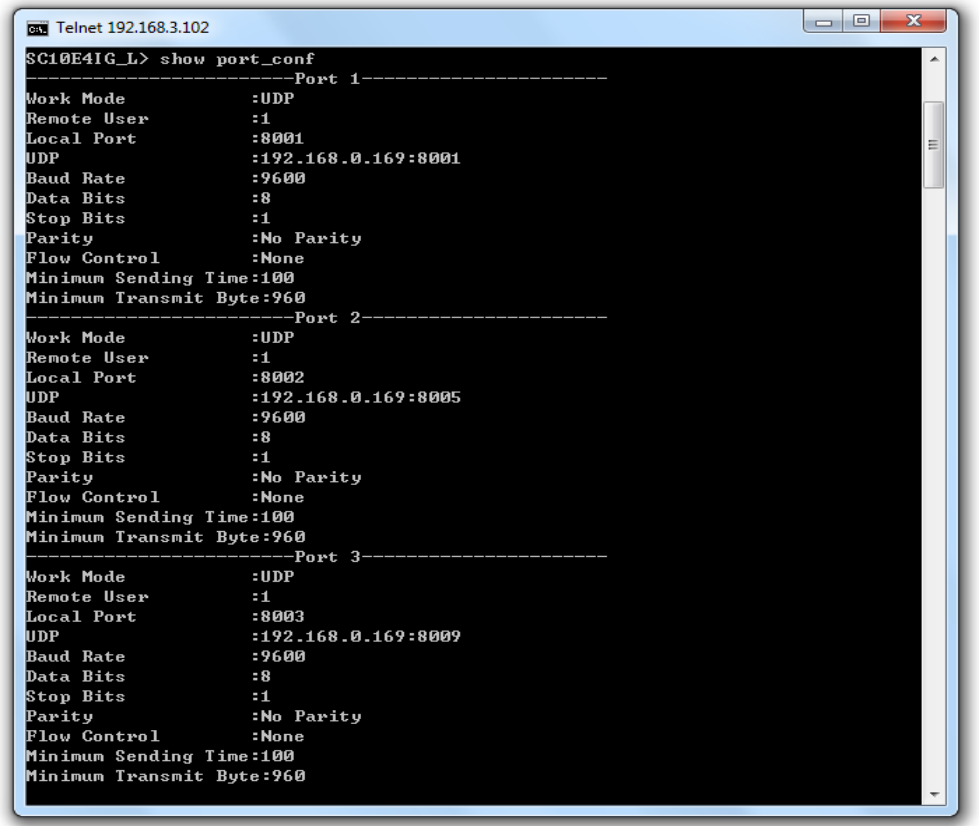
1.3 Enter"show sys_conf" to show the system configure.



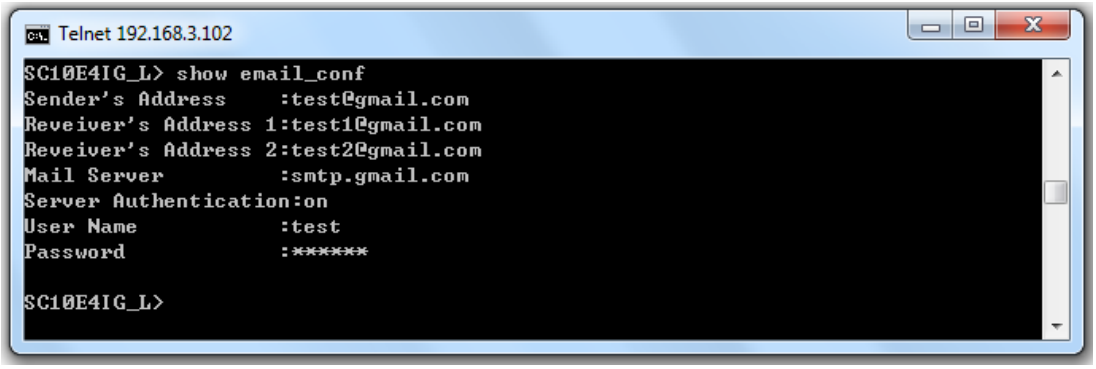
1.4 Enter“show net_conf” to show the network configure.



1.5 Enter “show port_conf” to show all port configure.

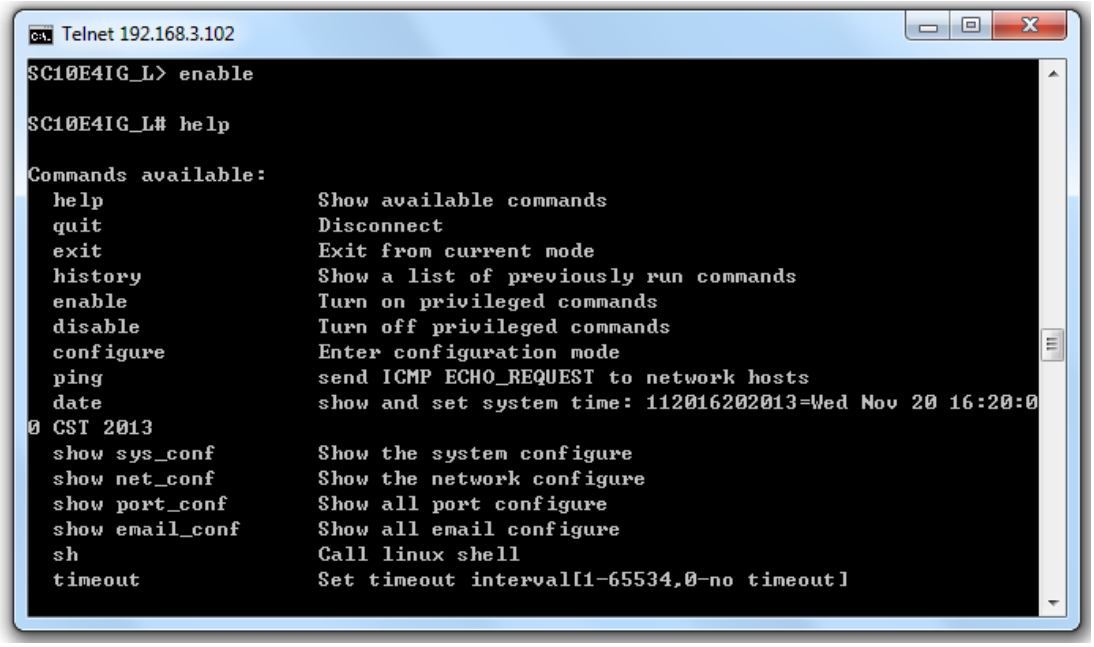


1.6 Enter “show email_conf” to show all email configure.



2 Enter the privileged commands: enable.

2.1 Input “help” or “?”



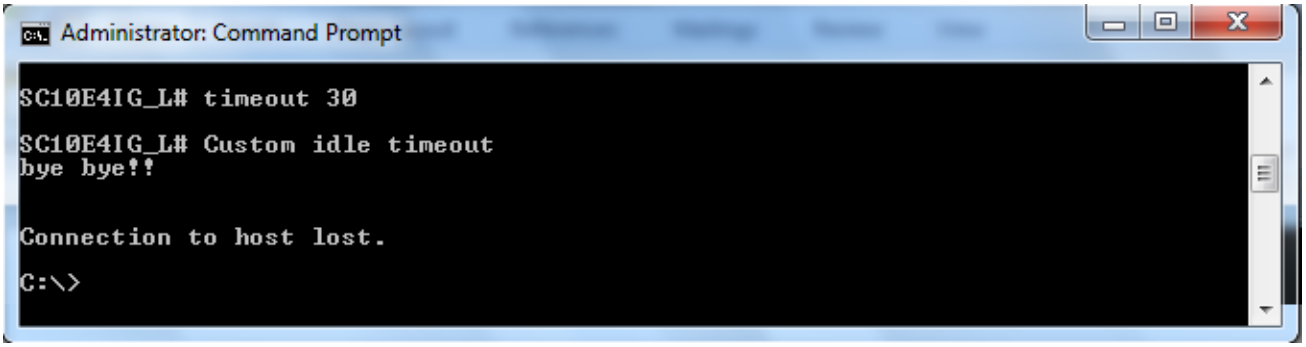
2.2 Enter "sh"---Call linux shell

Enter the Linux interface, like the previous version of the console, this is for our internal support.

2.3 timeout-------Set timeout interval

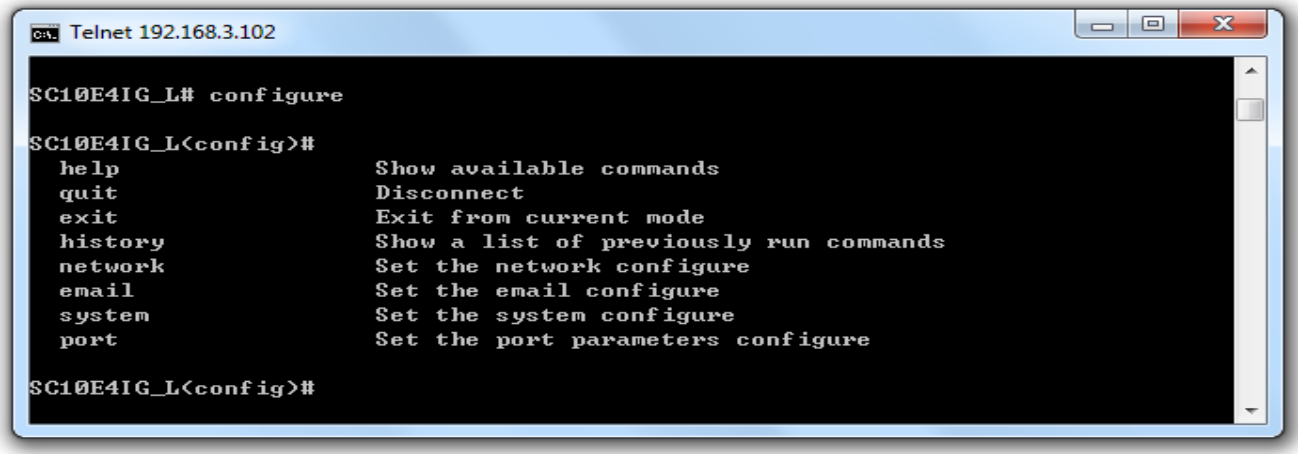
For example:

Input "timeout 30" which means that you cannot operate the system untill the "30 seconds" expires.



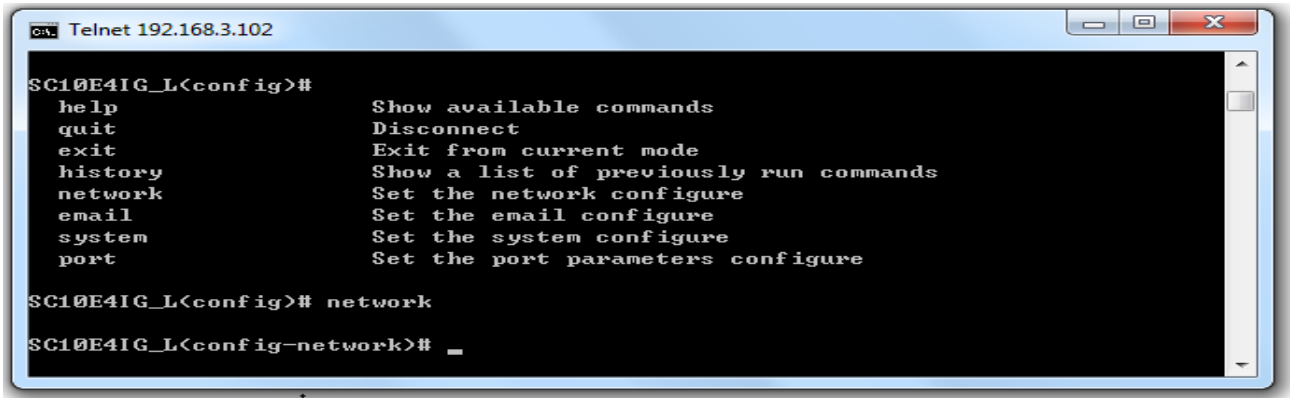
3 Configuration Interface (config):

Enter "configure", then "?" or "help".



3.1 Network Information Settings page

Enter "network", then "?" or "help".

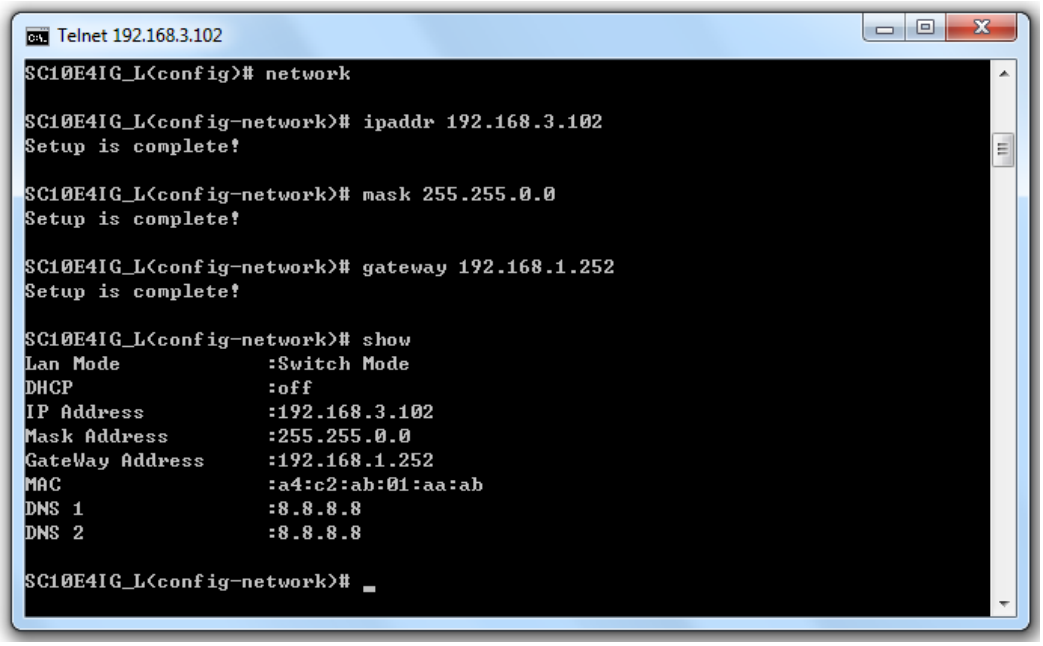


Usage : ipaddr xxx.xxx.xxx.xxx

Usage : mask xxx.xxx.xxx.xxx

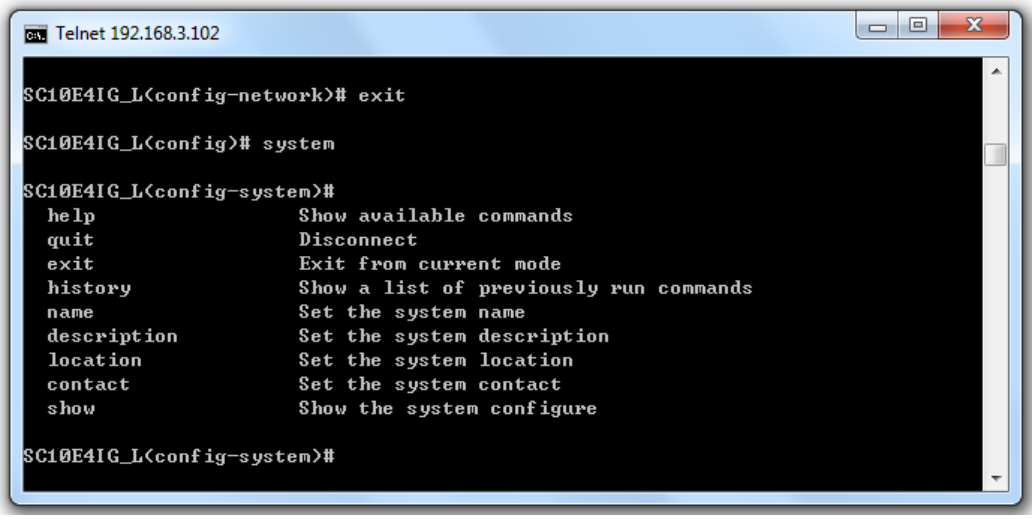
Usage : gateway xxx.xxx.xxx.xxx

For example:



3.2 System Information Settings page

Enter "system", then "?" or "help".



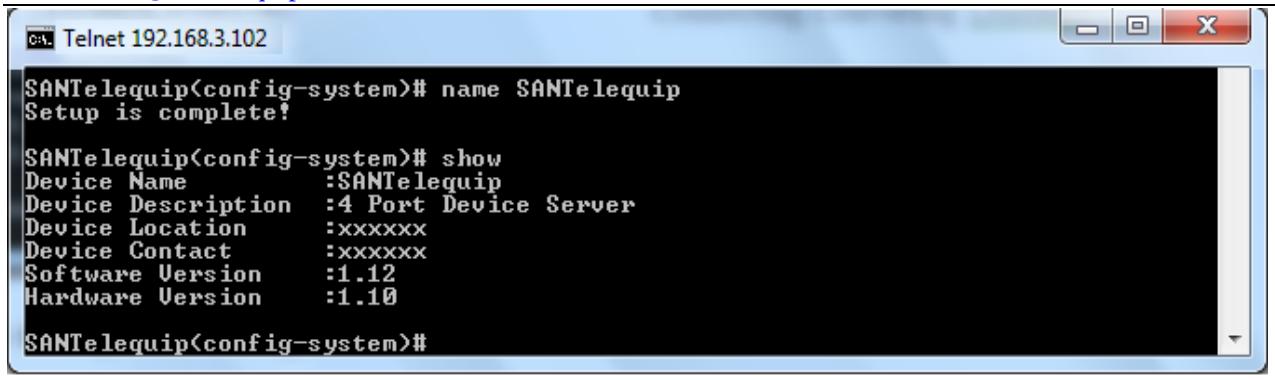
Usage : name [data]

Usage : description [data]

Usage : location [data]

Usage : contact [data]

For example:

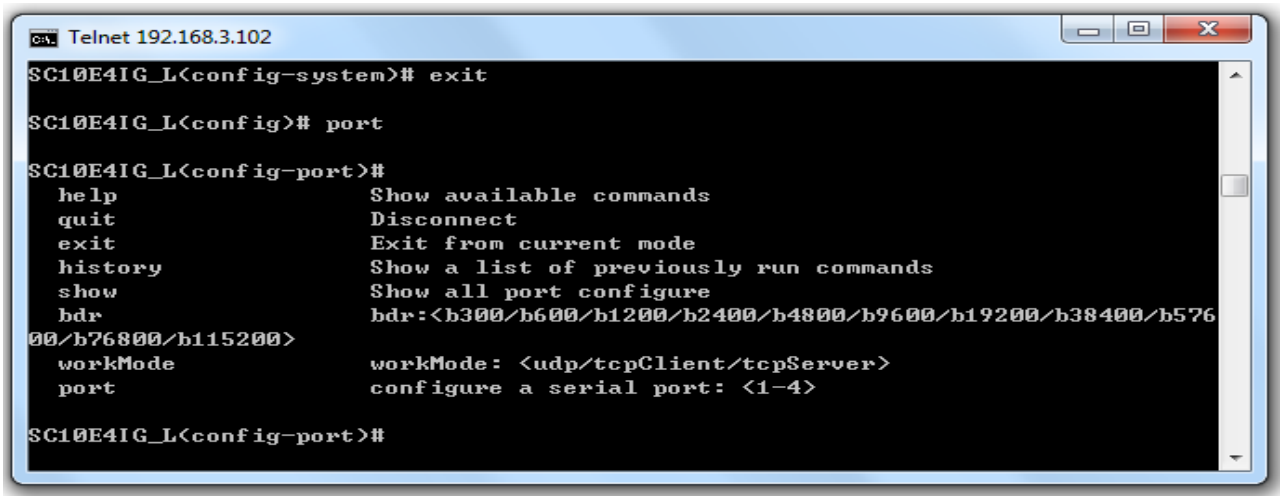


The device name is changed to SAN_TECH.

The default configuration is corresponding to the web page.

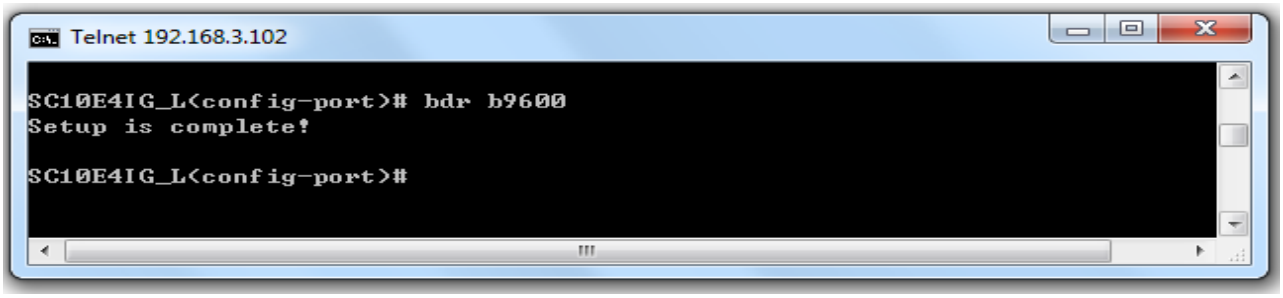
3.3 Port Information Settings page

Enter "port", then "?" or "help".

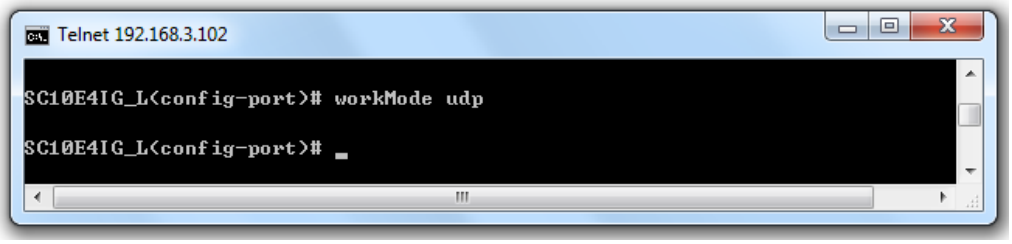


All the serial port Baud rate setting.

Usage : bdr b9600



All the serial port work mode setting.

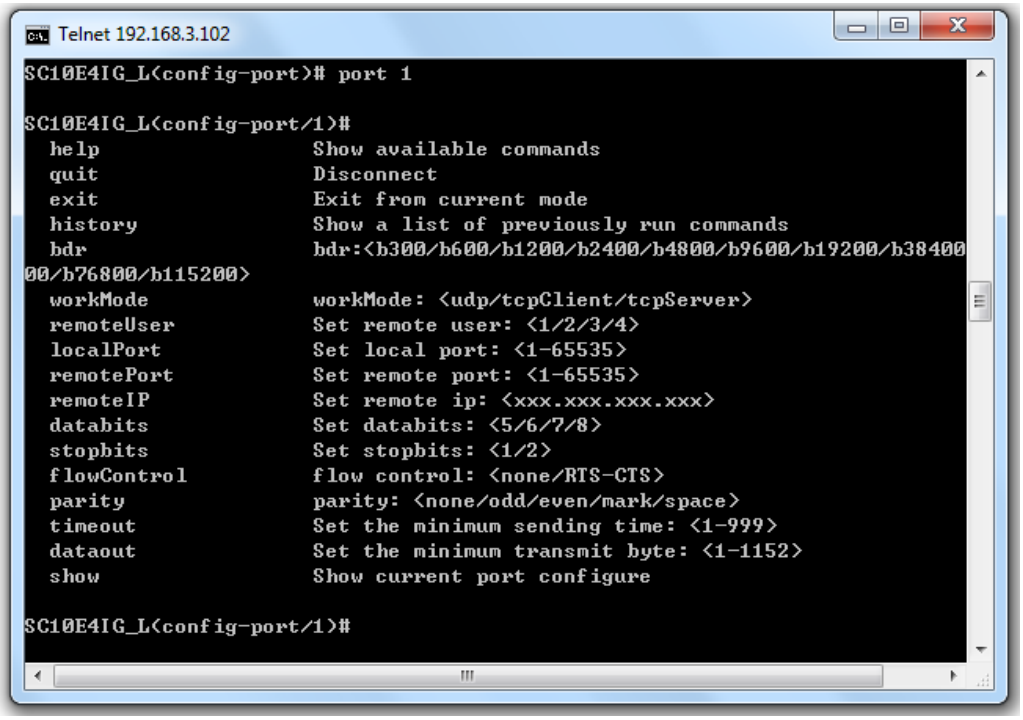


Single serial port setting.

Input :port x

For example:

then “?” or “help”.



Chapter 4 LCD(Optional) Instructions

4.1 The Key Function

MENU : return to the previous menu.

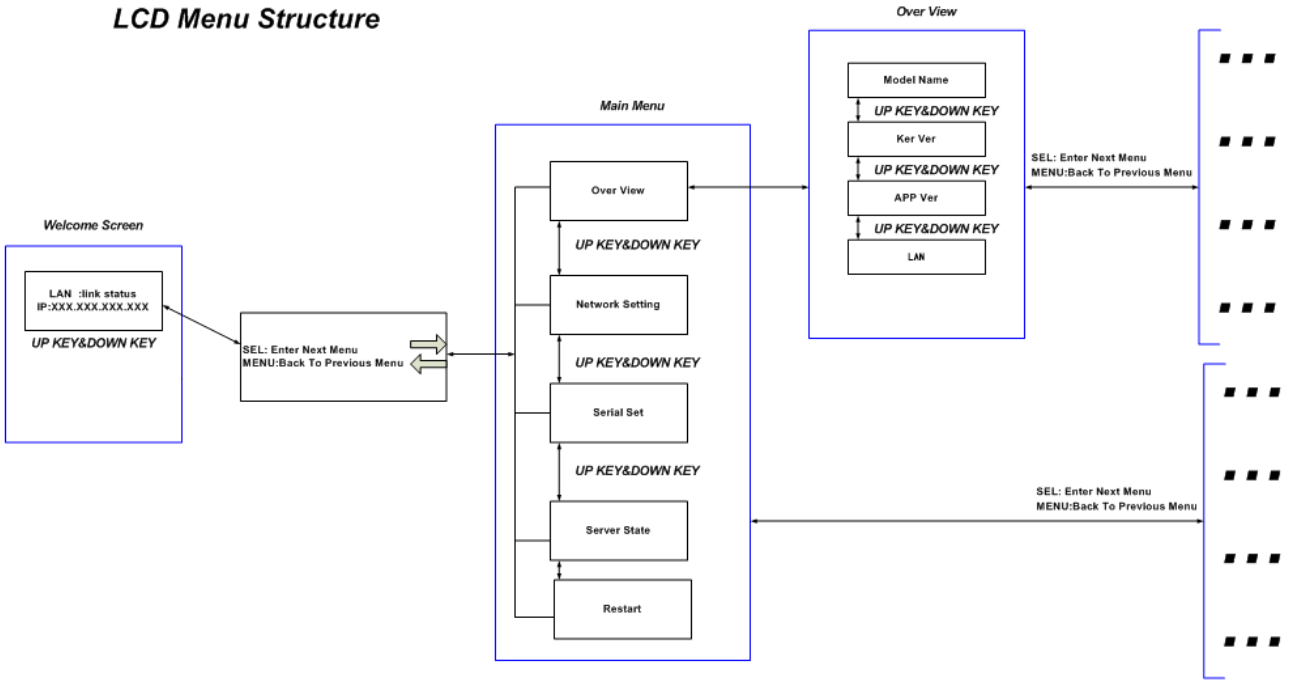
SEL : enter the submenu. In the specific parameter setting, it functions as “confirm”.

UP & DOWN : used for upward/downward scrolling

In the IP configuration interface,press "SEL" to enter the editing interface or move the cursor.

Note : The font and cursor on the LCD screen are both black.

4.2 The Menu Structure



4.3 Detailed Description

4.3.1 Welcome Screen

After Power on, the LCD shows status and IP of LAN.

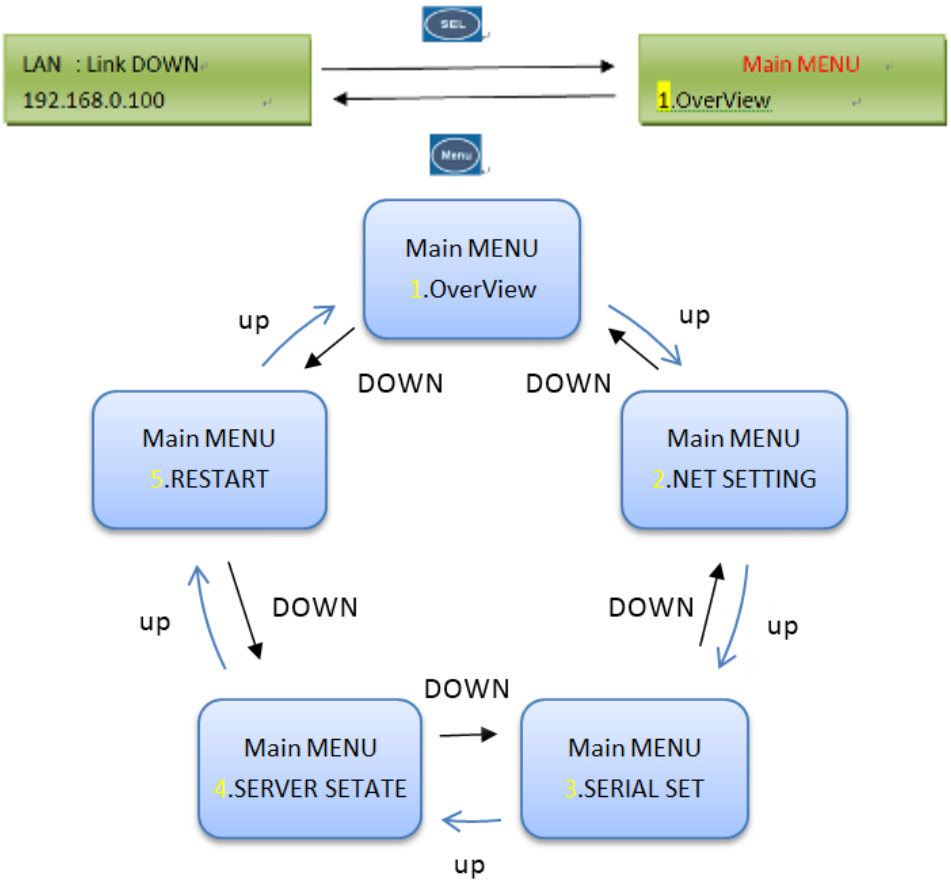
The display format is given as follows:

Input the default password 1234.

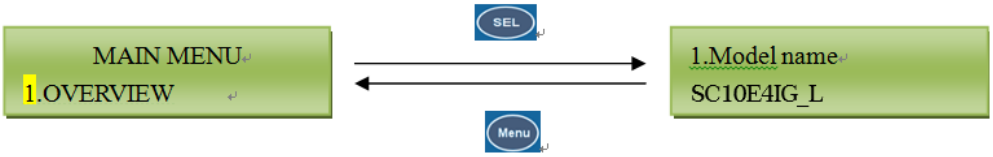
Press 

to enter the main menu.

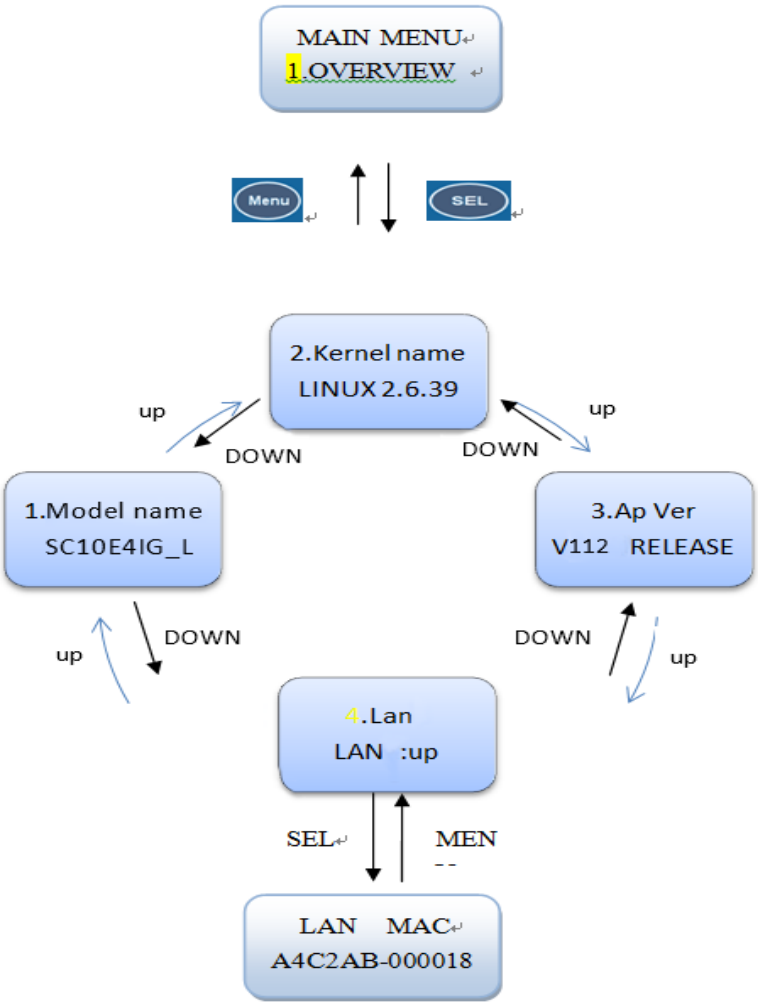
4.3.2 Main Menu Structure



4.3.3 Overview



The yellow highlighted '1' above will blink (actual blinking in black and white). Press Menu to return to previous menu, SEL to enter the submenu, and , to switch between the different layers. If the cursor is blinking, you can enter the submenu or input the editing content. Working is displayed in a Simple flow chart :



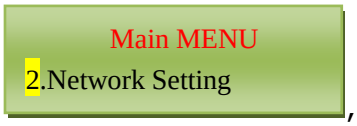
4.3.4 Network Settings

This option is to configure the network, including LAN Mode, IP, Net Mask etc.

On the page of LAN Mode, the Switch Pattern and Redundant Pattern are available. The yellow '2' above will blink (actually blinking in black and white). Press Menu to return to previous menu, SEL to enter the submenu, and ^, v to switch between the equative layers. When the cursor is blinking, you can enter the submenu or input the editing content.

Note:"2" means press two times."1" press once.

Steps to modify IP:

In 

, operate as above to enter 

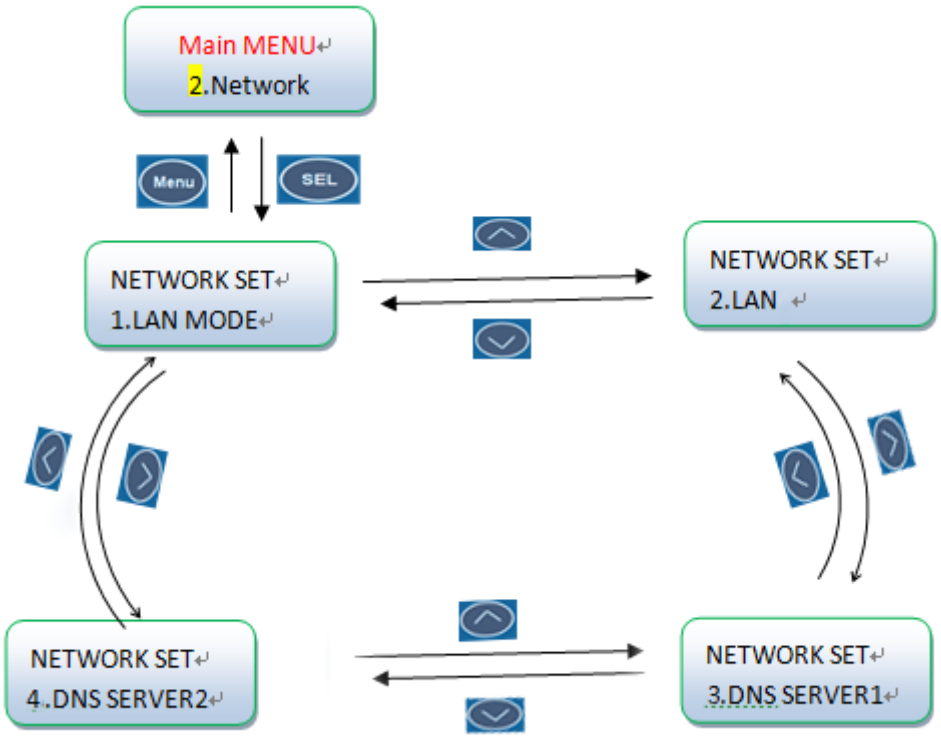
.Then press SEL to enter editing mode (the cursor will blink in the position of '1'). Press SEL to move back the cursor. Press ^ or v to modify IP. In this mode, you can press Menu to exit. If the data (IP) is changed, the following interface will display: 

Then operate according to the screen prompts.

If the data (IP) is not changed, it will exit the edit mode without displaying the above content.

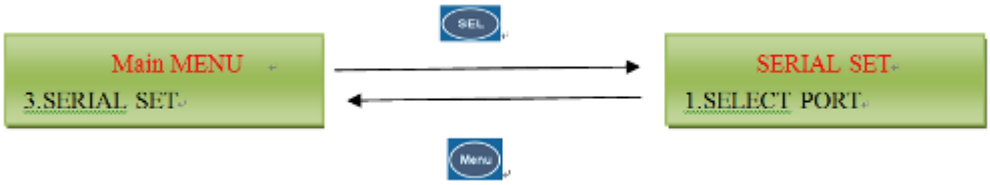
Note: Since the other Net Mask and Gateway editing operations are similar, we are not repeating the procedure.

Simple flow chart works as follows:



Note: The green border interface means that pressing "SEL" can enter the submenu. In the IP configuration interface, you can enter the editing interface or move the cursor by pressing "SEL". Pressing "MENU" to exit the edit mode or return to previous menu.

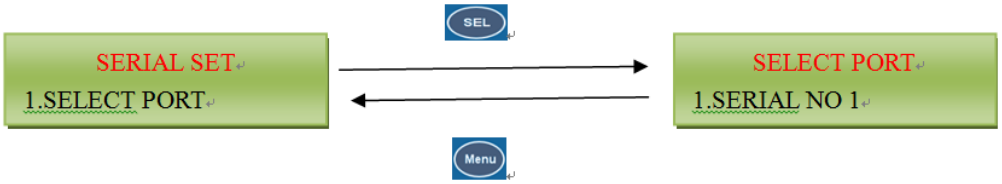
4.3.5 Serial Settings



This option is to set the serial port. After entering this menu, four submenus are available: SELECT PORT, Select Mode, Parameter Set, Link Mode;

Before each configuration, you'd better access the "SELECT PORT" interface to confirm the current port in case is set. "Select Mode", "Parameter Set", "LINK Mode" etc parameters of the port selected in the "SELECT PORT".

The operations of "SELECT PORT" show as follows:



After operating as the above to enter 

. Then press 

, the cursor will blink in the yellow position. And press 
, 
to modify port number. Press 

to exit.

If the port number is changed, the following interface will display: 

Then operate according to the screen prompts.

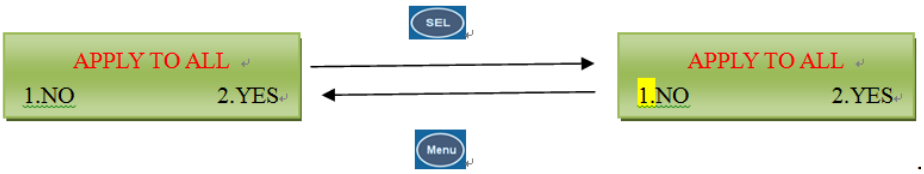
If the port number is not changed, it will exit the editing interface without displaying the above content.

Since configuration of other parameters are similar, no need to repeat here.

During the configuration of other parameters the screen may display 

, which asks whether to apply the configuration to all ports or not.

The operation is shown as follows:



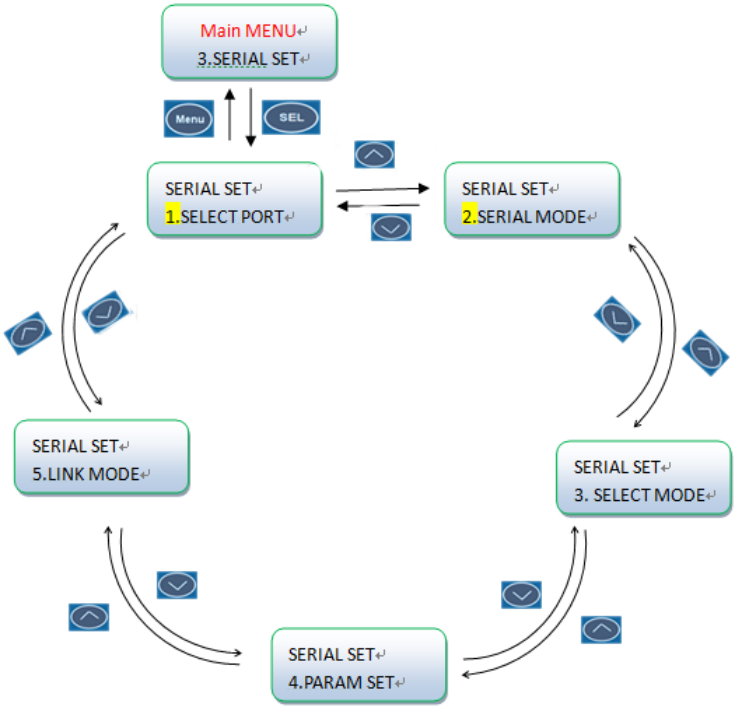
After pressing 

, the cursor will blink on “NO/YES”. Then press 
or 
to switch between “NO” and “YES”, select 

to confirm, and 

to exit.

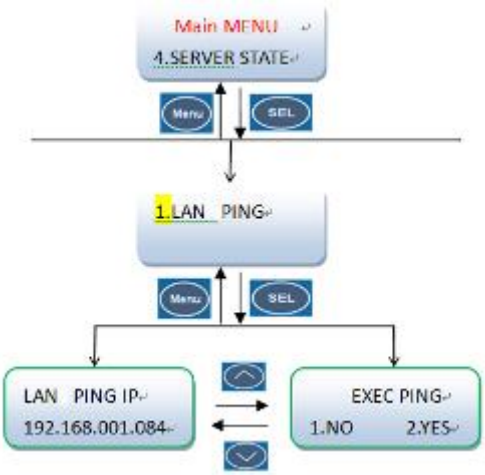
Simple flow chart works as follows:



Note: The green border interface means that pressing "SEL" can enter the submenu. In the IP configuration interface, you can enter the editing interface or move the cursor by pressing "SEL". Pressing "MENU" to exit the edit status or return to previous menu.

4.3.6 Server State

Simple flow chart works as follows:



The Key function refer to section "4.1 key distribution". The Modification of LAN PING IP refer to "4.3.4 Network Settings". EXEC PING refer to section "4.3.5 APPLY TO ALL" or "4.3.7 Restart"

As the functional is similar to LAN PING, so here we only illustrate the operation of LAN.

4.3.7 Restart

In this page, press SEL to enter the select status. Press ^ or v to switch between "NO" and "YES". If the cursor is blinking, press SEL to select operation. Press Menu to exit or return to previous menu.