

**NP30XT series serial device server
CLI user manual**

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Statement

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Notes

In reading this manual, please pay attention to the following symbols,



: Information necessary to explain.



: Special attention.

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CHAPTER 1 Access to Serial server serial device server

The CLI user manual compliant with the products as follows:

- NP302-2D(RS-232), 2 port RS-232 to Ethernet;
- NP302-2D(RS-485), 2 port RS-485/422 to Ethernet;
- NP304-4D(RS-232), 4 port RS-232 to Ethernet;
- NP304-4DI(RS-485), 4 port RS-485/422 to Ethernet;
- NP308-8D(RS-232), 8 port RS-232 to Ethernet;
- NP308-8DI(RS-485), 8 port RS-485/422 to Ethernet;
- NP3016-16D(RS-232), 16 port RS-232 to Ethernet;
- NP3016-16DI(RS-485), 16 port RS-485/422 to Ethernet;

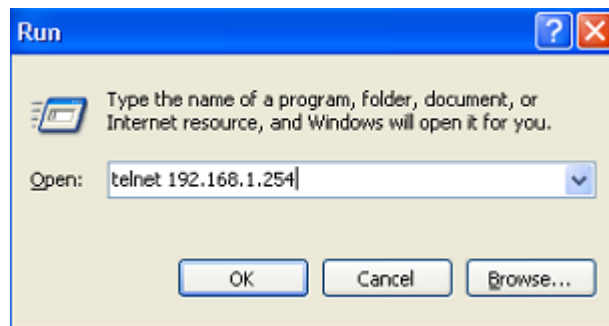
1.1 Configuration through Telnet

Terminal device use telnet connect to Serial server through PC, the requirements are as follows:

1. The IP address of Serial server, can get it by search or modify (Use IP command under the system management view);
2. If PC and serial device server in the same local area network, the IP address must in a same network segment, otherwise, PC and serial device server must cross-router.

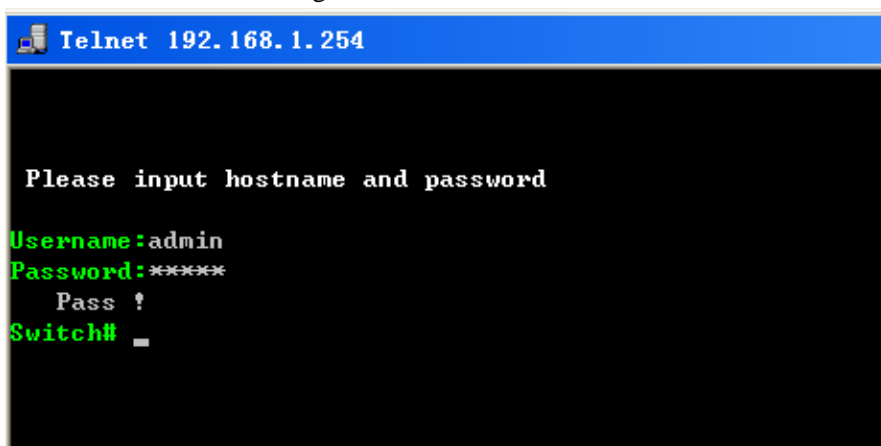
If satisfied these two requirements, can use telnet access to serial device server, and then configure the serial device server.

- 1) Establish configuration environment, just connect PC 's Ethernet port connect to serial device server's Ethernet port through Local area network
- 2) Before access Serial server through Telnet, need to input "Telnet+ Space+ serial server's IP address" for checking, Figure 1.1.1 as follows:



(Figure 1.1.1)

- 3) Hit "Enter", checkout successful and till PC show "Please input hostname and password", ask user to input user name and password, default is admin, figure 1.1.2 as follows:



(Figure 1.1.2)

4) Use command to configure Serial server and check the running statuses, if need help, please input “?” at any time. Specific configuration command, please reference “Serial server user manual” .

1.2 Agreement

1. Command line format agreement table 1.2.1 as follow

Table 1.2.1

Bold	Key words of the command show by bold type.
<i>italic</i>	Parameter of the command show <i>italic type</i> .
[]	It shows part in “[]” is optical when command configuration is need.
{ x y ... }	It shows to pick up one from two or more items.
[x y ...]	It shows to pick up one or no one from two or more items.
{ x y ... }	It shows to pick up one at least, all at most from two or more items.
Bold	Key words of the command show by bold type.

2. Format agreement of figure interface Table 1.2.2 as follows:

Table 1.2.2

Format	Description
< >	“< >” shows press name, like ”click<OK>”
[]	“[]” shows windows name, menu name and data list. like “eject [create user]window”
/	Multilevel is separated by “/”. Like [file/create/folder] means[create] a [folder] under the menu of [file]

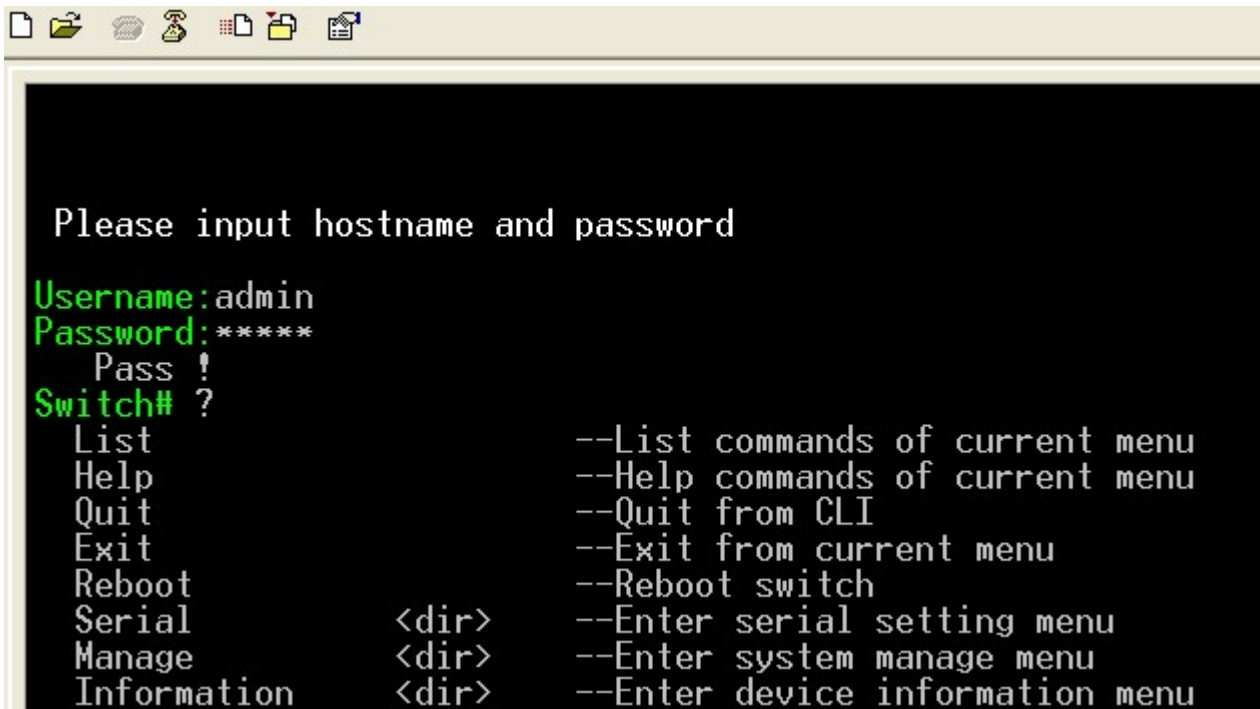
1.3 Command line port

Serial server provides command lines port and its configuration for user’s easy configuration and management. Command lines port includes the following features:

1. Local configuration through Console port;
2. Supports history command saving which means it can save 10 pieces. History commands can be selected by up and down key.
3. User can type in “help” or”?” to get some help;
4. Supports intelligent complement with Tab when commands input;
5. Command interpreter take the method of partial matching. User can type in conflict-free key words, such as config command, only need to type in conf.

1.3.1 View of Command Lines

Serial server’ view of command lines aim at configuration of different functions. First of all, Serial server establish connection, then confirmation of user name and password finished, after enter the correct user name and password, enter “help or ?” in “switch”, enter into system view, Under the view of system, corresponding view appears after typing indifferent command, figure 1.3.1 as follows:



(Figure 1.3.1)

Table 1.3.1 system view command list

View	Function	DOS Prompt	Enter	Quit
System View		Switch#	Help or ?	Quit and return to user login
Information	Show or modify device information, like software version, IP address, etc.	Switch (information)#	Information	Exit and return to the view of system
Serial device server	Show or modify serial information, like as baud rate, data bit, mode configuration	Switch (Serial)#	Serial	
Manage	Show or modify configuration information, like IP address, subnet mask, default gateway and password, etc.	Switch (manage)#	Manage	

1.3.2 Command lines Online help

Command lines port provides the following online help:

- ✧ Total help;
- ✧ Partial help;

1. Total help

1) Type in <?> to get all commands and their description.

Example:

Switch# ?

- List --List commands of current view
- Help --Help commands of current view
- Quit --Exit from CLI
- Exit --Exit from current view
- Reboot --Reboot switch

- Port --Enter port setting view
- Serial --Enter Serial setting menu
- Manage --Enter system manage view
- Information --Enter device information view

2) Type in a command and “?”, between there is a space, if key word is in this location, then type in all keywords and descriptions.

Example:

- Switch (information)# **show ?**
- mac --show device MAC Address
- version --show device version
- others --show device type、 name、 etc

2. Partial help

1) Type in a character string with <?>. It can show all commands beginning with this character string.

Example:

- Switch# **m?**
- Manage --Enter system manage menu

2) Type in former letters of some key word of the command, press<Tab> key. If the letters are unique, it can show the completed key word.

Example:

- Switch# **inf+<Tab>**
- Switch# **information**

1.3.3 Frequent Incorrect Information of Command Lines

All commands typed by users, if it is certificated by grammar, it can run correctly, or users will be sent incorrect information. Frequent incorrect information is in table 1.4.3 as below:

Table 1.4.3 Frequent incorrect information

English incorrect information	Reason
Invalid Command	Command cannot be found.
	Key word cannot be found.
	The type of parameter is wrong.
	The parameter is beyond the border.
Incomplete Command	Command is not completed.
Too many parameters	Parameter is too much.
Must OneToOne option!	Based mode is necessary

1.3.4 History command

Command lines port can provides the function similar to Dos key. It automatic saves command lines that users types in, and users can use these history commands. Detailed operating please check table 1.3.4 as follows:

Table 1.3.4 access history command

Operating	Key	Result
Visit previous history command	Up < ↑ >	If it exists earlier command, it is taken out.
Visit next history command	Down < ↓ >	If it exists later command, it is taken out.

CHAPTER 2 Device system based information configuration

Device information includes Device Type, Hardware Version, Device Name, Software Version, Device Description, Device SN and Contact Way. Among them, Hardware Version and Software Version can be only read, not modified.

2.1 Enter into the view of device information

Please check the view as figure 2.1.1

Table 2.1.1

Operating	Command	Description
Enter into the view of device information	Information	Run in the view of system

2.2 Display device information

Please check the device information command as table 2.2.1

Table 2.2.1

Operating	Command	Description
Show system version	show version	Carry out under the view of device information
Show MAC address of device	show mac	Carry out under the view of device information
Show Device Type, Name, etc.	show others	Carry out under the view of device information
Configure device model, name etc	config	Carry out under the view of device information
Delete device model, name etc	clean	Carry out under the view of device information

Example: Enter into device information view, enter the bold type command as follows and enter return key

Switch# **information**

Switch(information)# ?

```
List          --List commands of current menu
Help          --Help commands of current menu
Quit          --Quit from CLI
Exit          --Exit from current menu
Reboot       --Reboot switch
Show mac     --Show device MAC Address
Show version --Show device version
Show others  --Show device type,name,etc
Config       --Config device type,name,etc
Clean        --Clean device type,name,etc
```

Example: Check device name and model number etc

Switch (information)# **show others**

```
Device type   Serial server
Device name   Serial server
Description   Serial Server
Serial number 201304160001
Contact way   www.3onedata.com
```

Example: Check the MAC address

Switch(information)# **show mac**

```
Device MAC address : 00.22.6F.BB.00.02
```


2.3 Configuration information

Please reference user configuration device information as table 2.3.1:

Table 2.3.1

Operating	Command	Description
Configure Device Type	config -t <i>type</i>	Type: configurable type, the length is between 1~17 characters
Configure Device Name	config -n <i>name</i>	Name: configurable name, the length is between 1~17 characters
Configure Serial Number	config -m <i>number</i>	Number: configurable number, the length is between 1~17 characters
Configure Device Description	config -p <i>description</i>	Description: configurable description, the length is between 1~17 characters
Configure Contact information	config -c <i>contact</i>	Contact: Configure Contact way 1-17 bytes

Example: Configure device name as AB123, enter the bold type command as follows and enter return key:

```
Switch(information)# config -n ABC123
```

[OK]

Example: Configure device serial number as 201304111, enter the bold type command as follows and enter return key:

```
Switch(information)# config -m 201304111
```

[OK]

2.4 Delete device information

Please reference table 2.4.1

Table 2.4.1

Operating	Command	Description
Delete Device Type	Clean -t	Carry our under the view of device information
Delete Device Name	Clean -n	Carry our under the view of device information
Delete Serial Number	Clean -m	Carry our under the view of device information
Delete Device Description	Clean -p	Carry our under the view of device information
Delete Contact information	Clean -c	Carry our under the view of device information

Example: Delete device name, enter the bold type command as follows and enter return key:

```
Switch(information)# clean -n
```

[OK]

Example: Delete Serial Number, enter the bold type command as follows and enter return key:

```
Switch(information)# clean -m
```

[OK]

Example: Delete Contact information, enter the bold type command as follows and enter return key:

```
Switch(information)# clean -c
```

[OK]

CHAPTER 3 Information configuration

Serial server support 2/4/8/16 port serial, each serial port included 2 mode configuration: based mode configuration and advanced mode configuration.

Based mode: Support 0~4 sessions(option), working mode: TCP Client, TCP Server, UDP and TcpAuto.

Advanced mode: Support 0~4 sessions(option), working mode: TTCP Server, UDP.

3.1 Enter into serial configuration view

Please reference table 3.1.1

Table 3.1.1

Operating	Command	Description
Enter into serial configuration view	Serial	Carry out under the view of device information
Enter into serial information configuration	Com <port>	<port> : Option port number 1,2,3,4, 5,6,7,8

Example: Enter into serial configuration view, enter the bold type command as follows and enter return key:

```
Switch# serial
Serial(COM1)# ? // //Obtain serial configuration command
List --List commands of current menu
Help --Help commands of current menu
Quit --Quit from CLI
Exit --Exit from current menu
Reboot --Reboot switch
Show config --Show COM config information
Show link --Show COM link state information
Show err --Show COM send err data
Clear err --Clear COM send err counter
Com --Enter serial com1 setting menu
Config --Config serial
Set Packs_bytes --COM set
Set Packs_time --COM set
Set Com_mode --COM set
Set OneToMulti --COM set
Set TCP_C --COM set
Set UDP --COM set
Set TCP_S --COM set
Set TCP_A --COM set
Set Session_multi --COM set
Set TCP_S_multi --COM set
Set UDP_multi --COM set
```

Example: Configure parameter of COM 2, enter the bold type command as follows and enter return key:

```
Serial(COM1)# com 2
Serial(COM2)# ? //Obtain COM 2 configuration command
List --List commands of current menu
Help --Help commands of current menu
Quit --Quit from CLI
Exit --Exit from current menu
Reboot --Reboot switch
```

- Show config --Show COM config information
- Show link --Show COM link state information
- Show err --Show COM send err data
- Clear err --Clear COM send err counter
- Com --Enter serial com1 setting menu
- Config --Config serial
- Set Packs_bytes --COM set
- Set Packs_time --COM set
- Set Com_mode --COM set
- Set OneToMulti --COM set
- Set TCP_C --COM set
- Set UDP --COM set
- Set TCP_S --COM set
- Set TCP_A --COM set
- Set Session_multi --COM set
- Set TCP_S_multi --COM set
- Set UDP_multi --COM set

3.2 Display serial information

Please check the table 3.2.1

Table 3.2.1

Operating	Command	Description
Display information of serial connection statuses	Show link <port_list>	<port_list>: Choice the port number of serial 1、 2、 3、 4、 5、 6、 7、 8 or all optional
Statistics incorrect information of the serial	Show err <port_list>	<port_list>: Choice the port number of serial 1、 2、 3、 4、 5、 6、 7、 8 or all optional
Display serial configuration information	Show config <port_list>	<port_list>: Choice the port number of serial 1、 2、 3、 4、 5、 6、 7、 8 or all optional

Example: Display COM2 connection statue, enter the bold type command as follows and enter return key:

```
Serial(COM2)# show link 1
COM<2>
Session<1>
Session mode: TCP server
Local port: 30000
Dest ip: 192.168.17.11
Local port: 1845
Session<2>
Session<3>
Session<4>
```

Example: Statistics COM1 incorrect information, enter the bold type command as follows and enter return key:

```
Serial(COM1)# show err 1
COM<1>
COM err: 0 bytes
Session<1>
ch err: 0 bytes
Session<2>
ch err: 0 bytes
```

```
Session<3>
ch err:    0 bytes
Session<4>
ch err:    0 bytes
```

Example: Display COM1 configuration information, enter the bold type command as follows and enter return key:

```
Serial(COM1)# show config 1
COM<1>
Buadrate:      115200(bps)
Data bit:      8(bits)
Parity bit:    NONE(bits)
Stop bit:      1(bits)
Packs bytes:   500(bytes)
Packs time space: 20(ms)
COM work mode: RS422
Session Option: OneToOne
Session<1>
  State:       Enable
  Session mode: TCP server
  local port:  30000
  heartbeat interval: 0(S)
  TCP link TimeOut: 300(S)
  RealCom:     Disable
Session<2>
  State:       Enable
  Session mode: TCP server
  local port:  30001
  heartbeat interval: 0(S)
  TCP link TimeOut: 300(S)
  RealCom:     Disable
Session<3>
  State:       Enable
  Session mode: TCP server
  local port:  30002
  heartbeat interval: 0(S)
  TCP link TimeOut: 300(S)
  RealCom:     Disable
Session<4>
  State:       Enable
  Session mode: TCP server
  local port:  30003
  heartbeat interval: 0(S)
  TCP link TimeOut: 300(S)
  RealCom:     Disable
```

3.3 Clear serial incorrect information

Please check table 3.3.1

Table 3.3.1

Operating	Command	Description
Clear serial incorrect information	clear err <port_list>	<port_list>: Choice the port number of serial 1、 2、 3、 4、 5、 6、 7、 8 or all optional

3.4 Serial parameter configuration

Please check table 3.4.1

Table 3.4.1

Operating	Command	Description
Configuration serial parameter	config <Baudrate><parity> <Databits><stopbits>	<Baudrate>: {300,600,1200,2400,4800,9600,19200,38400,57600,115200} <parity>: 0 --None 1 --Odd 2 --Even 3 --Mark 4 --Space <Databits>: 0 --5bits 1 --6bits 2 --7bits 3 --8bits <stopbits>: 0 --1bit 1 --2bits
Configuration serial data frames	Set packs_bytes <Packs_bytes>	<Packs_bytes>: data frames range1-1460(byte)
Configuration serial character time space	Set packs_time <Packs_time>	<Packs_time>: Character time space 1~500ms
Configuration serial working mode	Set Com_mode <Com_mode >	< Com_mode >: working mode 0 RS-232 1 RS-422 2 RS-485

Example: Configuration COM2 parameter, baud rate: 300bps, parity: ODD, data bits: 6 bits, stop bits: 2bits, enter the bold type command as follows and enter return key:

```
Serial(COM2)# config 300 1 1 1
[OK]
```

Example: Configuration data frames is 300 bytes, enter the bold type command as follows and enter return key:

```
Serial(COM2)# set Packs_bytes 300
[OK]
```

Example: Configuration character time space: 100ms, enter the bold type command as follows and enter return key:

```
Serial(COM2)# set Packs_time 100
[OK]
```

Example: Configuration working mode is RS422, enter the bold type command as follows and enter return key:

```
Serial(COM2)# set Com_mode 2
[OK]
```

3.5 Working mode parameter configuration

Please check table 3.5.1

Table 3.5.1

Operating	Command	Description
Working mode configuration	Set OneToMulti <OneToMulti>	<OneToMulti>: 0 --OneToOne Based mode 1 --OneToMulti Advanced mode
TCP UDP mode configuration information	Set UDP <session_list> <enable> <local_port> <dns> <dest_addr> <dest_port> <RealCom>	<session_list> : Session choice. 1,2,3,4 or all optional <enable>: Open session or not 0 --disable 1 --Enable <local_port>: Local port, range{1-65535} <dns>: Open DNS or not 0 --disable 1 --Enable <dest_addr>: IP configuration ip or domain <dest_port>:Destination port, range{1-65535} <RealCom>: Virtual COM port or not 0 --disable 1 -Enable
TCP Client mode configuration information	Set TCP_C <session_list><enable> <local_port><dns><dest_addr><dest_port><link_mode><heartbeat>><TCP_timeout><realCom>	<session_list> : Session choice. 1,2,3,4 or all optional <enable>: Open session or not 0 --disable 1 --Enable <local_port>: Local port, range{1-65535} <dns>: Open DNS or not 0 --disable 1 --Enable <dest_addr>: IP configuration ip or domain <dest_port>:Destination port, range{1-65535} <link_mode>: connection mode 0 --data active 1 --link_now <heartbeat>: heartbeat time{0-65535(S)} <TCP_timeout>: Timeout{0-65535(S)} <RealCom>: Virtual COM port or not 0 --disable 1 -Enable
TCP server mode configuration information	Set TCP_S <session_list><enable><local_port><heartbeat><TCP_timeout><realCom>	<session_list> : Session choice. 1,2,3,4 or all optional <enable>: Open session or not 0 --disable 1 --Enable <local_port>: Local port, range{1-65535} <heartbeat>: heartbeat time{0-65535(S)} <TCP_timeout>: Timeout{0-65535(S)} <RealCom>: Virtual COM port or not 0 --disable 1 -Enable

Operating	Command	Description
TCP AUTO mode configuration information	Set TCP_A <session_list><enable><local_port> <dns><dest_addr><dest_port><link_mode> <heartbeat><TCP_timeout><RealCom>	<session_list> : Session choice. 1,2,3,4 or all optional <enable> : Open session or not 0 --disable 1 --Enable <local_port> : Local port, range{1-65535} <dns> : Open DNS or not 0 --disable 1 --Enable <dest_addr> : IP configuration ip or domain <dest_port> : Destination port, range{1-65535} <link_mode> : connection mode 0 --data active 1 --link_now <heartbeat> : heartbeat time{0-65535(S)} <TCP_timeout> : Timeout{0-65535(S)} <RealCom> : Virtual COM port or not 0 --disable 1 -Enable
Advanced working mode	Set Session_multi <net_mode>	<net_mode> : Working mode 1 --TCP server 2 --UDP
Advanced TCP Server working mode	Set TCP_S_multi <local_port> <heartbeat> <TCP_timeout> <RealCom>	<local_port> : Local port, range{1-65535} <heartbeat> : heartbeat time{0-65535(S)} <TCP_timeout> : Timeout{0-65535(S)} <RealCom> : Virtual COM port or not 0 --disable 1 -Enable
Advanced UDP working mode	Set UDP_multi <session_list> <local_port> <dns> <dest_addr> <dest_addr_end> <dest_port> <RealCom>	<session_list> : Session choice. 1,2,3,4 or all optional <local_port> : Local port, range{1-65535} <dns> : Open DNS or not 0 --disable 1 --Enable <dest_addr> : IP configuration ip or domain <dest_addr_end> : IP configuration over <dest_port> : Destination port, range{1-65535} <link_mode> : connection mode 0 --data active 1 --link_now <heartbeat> : heartbeat time{0-65535(S)} <TCP_timeout> : Timeout{0-65535(S)} <RealCom> : Virtual COM port or not 0 --disable 1 -Enable

Example: Configuration working mode is advanced, enter the bold type command as follows and enter return key:

```
Serial(COM2)# set oneToMulti 1
[OK]
```

Example: Configuration “session:1, working mode: UDP, local port: 5555, disable DNS, IP address:192.168.1.55, destination port: 4444, disable virtual COM port”, enter the bold type command as follows and enter return key:

```
Serial(COM2)# set UDP 1 1 55555 0 192.168.1.55 44444 0  
[OK]
```

Example: Configuration “ session: 1, local port: 3333, diable DNS, IP address: 192.168.17.11, destination port: 2222, connection mode: link now, heartbeat time: 0, Timeout: 20s, virtual COM port disable”, enter the bold type command as follows and enter return key:

```
Serial(COM2)# set tCP_C 1 1 33333 0 192.168.17.11 22222 1 0 20 0  
[OK]
```

Example: COM2 in advanced mode, configuration working mode: TCP server, session: 4, enter the bold type command as follows and enter return key:

```
Serial(COM2)# SET session_multi 1 4  
[OK]
```

Example: COM2 in advanced mode, configuration destination port:2000, heart time: 0s, timeout: 30s, Virtual COM port disable, enter the bold type command as follows and enter return key:

```
Serial(COM2)# set TCP_S_multi 2000 0 30 0  
[OK]
```

Example: COM2 in advanced mode, session: 1, destination: 1000, DNS disable, IP address from 192.168.17.11 to 192.168.17.254, destination port: 2000, virtual COM port disable, enter the bold type command as follows and enter return key:

```
Serial(COM2)# set UDP_multi 1 1000 0 192.168.17.11 192.168.17.254 2000 0  
[OK]
```


CHAPTER 4 System management

4.1 Enter into the view of System management configuration

Please check the table 4.1.1

System management configuration included:

1. The configuration of system overtime
2. The configuration of Default gateway, IP address
3. The configuration of user name and password.
4. Check out IP address, subnet mask and default gateway
5. Default factory
6. Up and download configuration files
7. System upgrade

Table 4.1.1

Operating	Command	Description
Enter into the view of system management	Manage	Carry out under the view of device information

Example: Enter into the view of system management, enter the bold type command as follows and enter return key:

```
Switch# manage
```

```
Switch(Manage)# ?
```

```
List          --List commands of current menu
Help          --Help commands of current menu
Quit          --Quit from CLI
Exit          --Exit from current menu
Reboot       --Reboot switch
Ip           --Set ip address and subnet mask
Set          --Set Console Overtime
Show net_address --Show Internet address
Restore      --Reset to default config
Hostname     --Set hostname
Password     --Set password
Gateway     --Set gateway
```

4.2 Display address information

Please check the table 4.2.1

Table 4.2.1

Operating	Command	Description
Display address information	show net_address	Carry out under the view of device information

Example: Display address information, enter the bold type command as follows and enter return key:

```
Switch(Manage)# show net_address
```

```
Device IP address : 192.168.17.25
```

```
Device mask address : 255.255.255.0
```

```
Device gateway : 192.168.17.1
```

4.3 Overtime time configuration

Please check the table 4.3.1

Overtime time is defined as: after enter into CLI configuration mode, overtime time with none operation, after over time, will go to user mode automatic, re-identify user name and password

Table 4.3.1

Operating	Command	Description
The configuration of overtime time	Set <time_out>	<time_out>: Overtime time, value[0-60], unit: minute, default time: 5 minutes, if 0 minute, the function is closed

Example: Configuration System overtime time: 10 minutes, enter the bold type command as follows and enter return key:

```
Switch (manage)# set 10
[OK]
```

4.4 IP address, default gateway

Please check the table 4.4.1

Table 4.4.1

Operating	Command	Description
Configuration of IP address	Ip <ip_address> <mask>	<ip_address>: ip address <mask>: subnet mask
Default gateway	Gateway <gateway>	<gateway>: gateway address

Example: Configure IP address:192.168.1.254, subnet mask; 255.255.255.0, default gateway: 192.168.1.1, enter the bold type command as follows and enter return key:

```
Switch(Manage)# ip 192.168.1.254 255.255.255.0
[OK]
```

```
Switch(Manage)# gateway 192.168.1.1
[OK]
```

4.5 User name, password configuration

Please check the table 4.5.1

Table 4.5.1

Operating	Command	Description
User name	Hostname <hostname>	<hostname>: only character and digit in legal
Password	Password <password> <password>	<password>: only character and digit in legal

4.6 Factory default

Please check the table 4.6.1

Table 4.6.1

Operating	Command	Description
Factory default	Restore	Carry out under the view of device information

Example: If need factory default, enter the bold type command as follows and enter return key:

```
Switch (manage) # restore
```

Restore Settings or not? (yes/no) yes
 Wait.....

4.7 Upload and Download Configurable files

Please check the table 4.7.1

Table 4.7.1

Operating	Command	Description
Upload Configurable files	Upload	Suffix of file is (.cfg)
Download Configurable files	Download	Suffix of file is (.cfg)

Example: Steps of downloading configurable files are as follows, enter the bold type command as follows and enter return key:

1. Switch(manage)# **download**

Please select file path and ready to receive file .
 Or press [Esc] to quit .

2. Configure Hyper Terminal and select folder of files wanted.

[Transfer] → [Receive File] → [Browse] → [Choose Folder] → [folder which user choose to save the download files to] → [OK] → [Use protocol] → [Xmodem] → [Receive] → [file name] → [file name user choose to save, the suffix is .cfg] → [OK]

Example: Steps of uploading configurable files are as follows, enter the bold type command as follows and enter return key:

1. Input command

System_manage# **upload**

Please send configuration file, or press [Esc] to quit.

CCCCCCCCCCC



From input upload command and the first C appearing, if no operating within 2 minutes, system will quit by itself.

2. Configure Hyper Terminal and select configurable files wanted with suffix of .cfg .

Transfer] → [Send File] → [Browse] → [choose folder] → [configurable file user choose to upload] → [Open] → [Use Protocol] → [Xmodem] → [Send]



1. Telnet did not support this command

4.8 System Upgrade

Please check the table 4.8.1

Through hyper terminal, user can upgrade system file(Please make sure the file correct)

Table 4.8.1

Operating	Command	Description
System upgrade	Upgrade	Suffix of file is (.bin)

Example; Steps are as follows, enter the bold type command as follows and enter return key:

1. Input command:

System_manage# upgrade

Please send upgrade file, or press [Esc] to quit .

CC

2. Configure Hyper Terminal and select Upgrading files wanted with suffix of **.bin**.

[Transfer] → [Send File] → [Browse] → [choose folder] → [configurable file user choose to upload] → [Open] → [Use Protocol] → [Xmodem] → [Send]



1. Telnet did not support this command