



GW110X

Modbus Gateway

CLI User Manual

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Industrial Ethernet communication solutions experts

Shenzhen 3onedata Technology Co., Ltd.

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The CLI user manual describes the Modbus Gateway device:

CLI command configuration



The screenshot reference model for this manual is GW1108-8D (3IN1) Modbus. Other types of products in addition to supporting the serial type (RS-232, RS-422, RS-485) and the number of serial ports are different, the functions and CLI commands are the same.

Audience

This manual applies to the following engineers:

- Network administrators
- Technical support engineers
- Hardware engineers

Conventions

Format	Description	
""	Words with the symbol "" mean that those are interface	
	words. Fox example "Port number".	
>	Multiple paths are separated by the symbol '>'.	
Light blue Font	Click light blue font to hyperlink The font color is as follows:	
	'Light Blue'.	
About This Chapter	The section 'about this chapter' provide links to various	
	sections of this chapter, as well as links to the Principles	
	Operations Section of this chapter.	

Symbols

Format	Description		
\land	Indicates a potentially hazardous situation which, if not		
Notice	avoided, could result in equipment damage, data loss,		





Format	Description
	performance deterioration, or unanticipated results.
	NOTICE is used to address practices not related to personal
	injury.
A	Ndicates a potentially hazardous situation which, if not
Warning	avoided, could result in death or serious injury.
	Calls attention to important information, best practices and
Note	tips.
	NOTE is used to address information not related to personal
	injury, equipment damage, and environment deterioration.
Key	The tips of configuration and operation.

Revision History

Version No. Date		Revision note	
01	August 15, 2017	Layout Adjustment	
02	August 16, 2017	Manual Maintenance	



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Access to Modbus Gateway

1.1 Configuration through Telnet

Terminal device use telnet connect to Modbus gateway through PC, the requirements are as follows:

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

If satisfied these two requirements, can use telnet access to Modbus gateway device, and configure the Modbus gateway device.

- After establish configuration environment, just connect PC's Ethernet port connect to Modbus gateway device's Ethernet port through Local area network.
- Before access Modbus gateway through Telnet, need to input "**Telnet**+ Space+ Modbus gateway's **IP address**" for checking, figure as follows:

Run	? 🗙
-	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
Open:	teinet 192.168.1.254
	OK Cancel Browse

• 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 as follows:

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 Use command to configure Modbus gateway and check the running statues, if need help, please input"?" at any time. Specific configuration command please reference "Modbus Gateway CLI user manual".

1.2 Agreement

Format	Description	
italic	Parameter of the command show italic type.	
[]	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.	

1. Command line format agreement table as follow:

2. Format agreement of figure interface table as follows:

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

1.3 Command line port

Modbus gateway provides command lines port and its configuration for user's easy configuration and management. Command lines port includes the following features:

- Local configuration through LAN port;
- Supports history command saving which means it can save 10 pieces. History



commands can be selected by up and down key.

- User can type in "help" or"?" to get some help;
- Supports intelligent complement with Tab when commands input;
- 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

Modbus gateway' view of command lines aim at configuration of different functions. First of all, Modbus gateway establish connection, then confirmation of user name and password finished, after enter the correct user name and password, enter "help or ?" in "Device#", enter into system view, Under the view of system, corresponding view appears after typing indifferent command, figure as follows:

🛤 Telnet 192.168.1.254		—	×
			^
Please input hostname	and password		
Username:admin Password:***** Pass !			
ModbusGateway(Device)#	?		
List	List commands name		
Help	List commands name and help info		
Quit	Quit from CLI		
Exit	Exit from current menu		
Reboot	Reboot device		
Serial	<pre><dir>Enter serial setting menu</dir></pre>		
Security	<pre><dir>Enter security setting menu</dir></pre>		
Manage	<pre><dir>Enter system manage menu</dir></pre>		
Information	<pre><dir>Enter device information menu</dir></pre>		
Modbus	<pre><dir>Enter Modbus manage menu</dir></pre>		
ModbusGateway(Device)#			
			\checkmark

View	Function	DOS Prompt	Enter	Quit
System View		Device #	Help or ?	Quit and return to user login
Modbus	Show or modify Modbus information	ModbusGateway (Modbus)#	Modbus	Exit and
serial	Show or modify serial information,	ModbusGateway (Serial)#	Serial	the view

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	like as baud rate,			of system
	data bit, flow control			
	Show or modify the			
	IP and MAC	MadhuaCataway		
Security	address filtering,	(Socurity)#	Security	
	user name and	(Security)#		
	password settings			
manage	Show or modify IP	ModbusGateway (manage)#	Manage	
	address and subnet			
	mask, Set Console			
	Overtime and Reset			
	to default configure			
Information	Show or modify			
	device type, name,	ModbusCateway	Information	
	device description,	(information)#		
	serial number,			
	contact way, etc			

1.3.2Command 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:

ModbusGateway(Device) # ?

List		List commands name
Help		List commands name and help info
Quit		Quit from CLI
Exit		Exit from current menu
Reboot		Reboot device
Serial	<dir></dir>	Enter serial setting menu
Security	<dir></dir>	Enter security setting menu
Manage	<dir></dir>	Enter system manage menu
Information	<dir></dir>	Enter device information menu
Modbus	<dir></dir>	Enter Modbus manage menu



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.

```
ModbusGateway(Device)# information
```

```
ModbusGateway(System) # show ?
mac --Device MAC address
version --Device version
```

VCIDION	Device version
others	Device name,type,etc

2. Partial help

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

Example:

ModbusGateway(Device)# m?				
Manage	<dir></dir>	Enter	system	manage	menu
Modbus	<dir></dir>	Enter	Modbus	manage	menu

 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:

```
ModbusGateway(Device) # inf + <Tab>
ModbusGateway(Device) # 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 as below:

English incorrect information	Reason
	Command cannot be found.
Invalid Command	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 One To One option!	Based mode is necessary

1.3.4 History command

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

Operating	Key	Result
Visit provious history command		If exists earlier command, it is taken
visit previous history command	00	out.
Visit payt history command		If exists later command, it is taken
VISIL HEXT HISTOLY COMMAND	Down <1>	out.





2.1 Enter into the view of Modbus information



The screenshot reference model for this manual is GW1108-8D (3IN1) Modbus. Other types of products in addition to supporting the serial type (RS-232, RS-422, RS-485) and the number of serial ports are different, the functions and CLI commands are the same.

Please check the view as figure.



In the table description, the number of ports and the type of serial port that is supported are different depending on the device.

Operating	Command	Description
Enter into the view of Modbus information	Modbus	Run in the view of system
Add gateway TCP Slave entry	AddGateWayT <remoteip> <remoteport> <vidmin> <vidmax> <offset></offset></vidmax></vidmin></remoteport></remoteip>	<remoteip>Remote Ip such as 192.168.1.254 <remoteport> Config RemotePort:1-65535 <vidmin>Config VIDmin:0-247 <vidmax>Config VIDmax:0-247 <offset>Config Offset:(-253)-(253)</offset></vidmax></vidmin></remoteport></remoteip>
Delete gateway TCP Slave entry	DelGateWayT <index></index>	<index>Config Index: 1-32</index>





Operating	Command	Description
Set serial gateway entry	SetGateWayS <index> <devicetype> <vidmin> <vidmax> <offset></offset></vidmax></vidmin></devicetype></index>	<index>Config Index: 1-8 <devicetype>serial DeviceType 1RTU Master 2RTU Slave 3ASCII Master 4ASCII Slave <vidmin>Config VIDmin:0-247 <vidmax>Config VIDmax:0-247 <offset>Config Offset:(-253)-(253)</offset></vidmax></vidmin></devicetype></index>
Set TCP response time	SetTcpRespinseTi me <respinsetime></respinsetime>	<respinsetime> ResponseTime:10-120000ms</respinsetime>
Set response timeout and interval timeout	SetSerialRespons eTime <index> <responsetime> <inter_character_ Timeout> <inter_frame_ Delay></inter_frame_ </inter_character_ </responsetime></index>	<index> Config Index: serial:1-8 <responsetime> ResponseTime:10-120000ms <inter_character_timeout> Inter_character_Timeout:0ms,10-500ms <inter_frame_delay> Inter_frame_Delay:0ms,10-500ms</inter_frame_delay></inter_character_timeout></responsetime></index>
Set Initial Delay	SetInitSetting <inittime> <tcpexceptionen></tcpexceptionen></inittime>	<inittime> Config InitTime:0-30000ms <tcpexceptionen>TcpExceptionEn 0disable 1enable</tcpexceptionen></inittime>

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

ModbusGateway(Modbus)# ?	
List	List commands name
Help	List commands name and help info
Quit	Quit from CLI
Exit	Exit from current menu
Reboot	Reboot device
SetGateWayS	Config GateWay
AddGateWayT	Config GateWay
DelGateWayT	Del GateWayTCP
Show GateWay	Show Modbus GateWay information
SetTcpRespinseTime	Config TCP response time
O an a data muand	stews and soufficiential

```
SetSerialResponseTime--ConShow ResponseTime--ShoSetInitSetting--ConShow InitSetting--Sho
```

```
--Config ResponseSetting
--Show Response config information
--Config InitSetting
--Show Init config information
```

Example: Slave ID Map Table Channel NO.1, Channel type is RTU Slave. Virtual ID Start is 3, Virtual ID End is 3, and Slave ID Offset is 0. Real ID Start is 3, Real ID End is 3.

```
ModbusGateway(Modbus)# setGateWayS 1 2 2 2 0 2 2
[OK]
```

Example: Add TCP gateway entry, IP address is 192.168.1.11, port number is 200, slave virtual ID is minimum 3, maximum is 3, offset is 0, real ID is minimum 3, maximum 3;

```
Switch (Modbus)# addGateWayT 192.168.1.11 200 3 3 0 3 3 [OK]
```

Example: Remove the TCP gateway entry with ID mapping table channel 1;Switch (Modbus)# delGateWayT 1

[OK]

Example: Set the response time, the communication port is 1, the response timeout is 2000, the character interval timeout time is 20, the frame interval delay time is 20;

```
Switch (Modbus) # setResponseTime 1 2000 20 20 [OK]
```

Example: Set the delay start time, set the initial delay of 2000, start the Modbus TCP exception

```
Switch (Modbus) # setInitSetting 2000 1
[OK]
```

2.2 Show Modbus Gateway information

Please check the device information command as table.

Operating	Command	Description
Show Modbus GateWay information	show GateWay	Carry out under the
Show Response config information	Show ResponseTime	view of MODBUS
Show Initial Delay information	Show InitSetting	information



Example: show Modbus gateway information

```
ModbusGateway(Modbus)# show gateWay
  VirtualSerialEn : Disable
```

Index	Mode	e VIDM	in	VIDMax	Offset	RIDMin	RIDMax
PORT1	RTU	Master	0	0	0	0	0

Example: show Response Timeout and Interval Timeout information

ModbusGateway(Modbus) # show ResponseTime

name Index ResponseTimeout InterCharacterTimeout

InterFrameDelay

Example: Show Initial Delay information

ModbusGateway(Modbus) # show InitSetting

Init Time : 0 ms

TcpExceptionEn : Enable





3.1 Enter into the view of serial information



The screenshot reference model for this manual is GW1108-8D (3IN1) Modbus. Other types of products in addition to supporting the serial type (RS-232, RS-422, RS-485) and the number of serial ports are different, the functions and CLI commands are the same.

Please refer to table to set up the view serial command.



In the table description, the number of ports and the type of serial port that is supported are different depending on the device.

Operating	Command	Description
Enter into the view of serial information	Serial	Run in the view of system
Set Serial alias	Com alias <port> <alias></alias></port>	<port>1-8 < alias >alias:1-30 chars</port>
Set serial baud rate	Com baudrate <port> < baudrate ></port>	<port>1-8 <baudrate>serial Baudrate Tip: {300,600,1200,2400,4800,960 0,19200,38400,57600,115200, }</baudrate></port>





Operating	Command	Description
		<i><port></port></i> :1-8
		<i><parity< i="">>Parity</parity<></i>
		0None
		1Odd
	Com linctrl	2Even
Set serial data	<port></port>	3Mark
bits, stop bits	<parity></parity>	4Space
and parity bits	<databits></databits>	<databits>Databits</databits>
	<stopbits></stopbits>	27bits
		38bits
		<stopbits>Stopbits</stopbits>
		01bit
		12bits
		<i><port></port></i> :1-8
	Com mode <i><port> <mode></mode></port></i>	<mode>com mode</mode>
Set serial mode		0RS232
		1RS485
		2RS422
		<port>1-8;</port>
		<flow_ctrl>flow ctrl</flow_ctrl>
Cot flow control	Comp flow, and consists of low, and	0None
Set flow control	Com flow_ctrl <port> <flow_ctrl></flow_ctrl></port>	1RTS/CTS
		2Xon/Xoff
		3DTR/DSR
		<port>:1-8;</port>
		<rts>rts ctrl</rts>
Set serial RTS	Com rts <i><port> <rts></rts></port></i>	0Auto
		1On
		2Off
		<port>:1-8;</port>
Set serial DTR		<pre><dtr></dtr></pre> dtr ctrl
	Com dtr <i><port> <dtr></dtr></port></i>	0Auto
		1On
		2Off

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

ModbusGateway(Serial)# ?

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 com_state	Show com state info
Com alias	COM set
Com buadrate	COM set
Com linctrl	COM set
Com mode	COM set
Com flow_ctrl	COM set
Com rts	COM set
Com dtr	COM set

Example: Set the serial COM1 Parameters, the parity bit is ODD, the data bits are 8, and the stop bit is 2.

```
ModbusGateway(Serial) # Com Linctrl 1 1 3 1
[OK]
```

```
Example: Set the serial COM1 Parameters, the alias is 111.
```

```
ModbusGateway(Serial) # com alias 1 111
[OK]
```

Example: Set the serial COM1 Parameters, the baud rate is 300.

```
ModbusGateway(Serial) # com buadrate 1 300
[OK]
```

Example: Set the serial COM1 Parameters, the flow control is RTS/CTS.

```
ModbusGateway(Serial) # com flow_ctrl 1 1
[OK]
```

Example: Set the serial COM1 Parameters, the RTS is disable.

```
ModbusGateway(Serial) # com rts 1 2
[OK]
```

Example: Set the serial COM1 Parameters, the DTR is disable.

```
ModbusGateway(Serial)# com dtr 1 2
[OK]
```



3.2 Display serial information

Please check the serial information command as table



In the table description, the number of ports and the type of serial port that is supported are different depending on the device.

Operating	Command	Description
Show the serial information	Show config <port_list></port_list>	<port_list>:1~8</port_list>
Show the serial state	Show com_state <port_list></port_list>	<port_list>:1~8</port_list>

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

and enter return key

ModbusGateway(Serial) # show config 1 COM<1> Alias: COM work mode: RS232 Buadrate: 115200(bps) Data bit: 8(bits) Parity bit: NONE Stop bit: 1(bits) Flow ctrl: None FIFO ctrl: Enable Rts ctrl: AUTO Dtr ctrl: AUTO



4 Device Security Management

4.1 Enter into the view of Security Management

Operating	Command	Description		
Enter into the view of device information	Security	Run in the view of system		
Set user management	UserManage Add <username> <password> <affirm> <user_level></user_level></affirm></password></username>	<username> user name:No more than 20 characters <password> password:No more than 20 characters <affirm>affirm password <user_level>user level: 0 guest 1 administrator</user_level></affirm></password></username>		
Modify user management	UserManage modify <name_index> <username> <password> <affirm> <user_level></user_level></affirm></password></username></name_index>	<name_index> name index:user name index <username>user name <user_level>user level: 0 guest 1 administrator</user_level></username></name_index>		
Delete user management	UserManage delete <user_index></user_index>	<user_index> user name:No more than 20 characters</user_index>		
IP filter set	IpFilter def <def_permission></def_permission>	<def_permission> 0:forbidden 1:allow</def_permission>		

Please check the device information command as table



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Operating	Command	Description
IP address filter enable setup	IpFilter set <filter_en></filter_en>	<filter_en>0:disable 1:enable</filter_en>
Modify IP address filtering entries	IpFilter modify <list> <state> <permission> <ip> <netmask></netmask></ip></permission></state></list>	state> 1-16 state>0:disable 1:enable permission> 0:forbidden 1:allow ip>ip address <netmask>netmask</netmask>
Submit IPFilter config	Submit IPFilter_config <submit></submit>	<submit> 1:submit</submit>
MAC address filter enable setup	MacFilter enable <filter_en></filter_en>	<filter_en> 0:disable 1:enable</filter_en>
MAC filter set	MacFilter def <def_permission></def_permission>	<def_permission> 0:forbidden 1:allow</def_permission>
Modify NAC address filtering entries	MacFilter def <state> <access_permission> <mac_addr></mac_addr></access_permission></state>	list_id> 1-16state>0:disable1:enableaccess_permission>0:forbidden1:allowMAC_addr>MACaddress:xx.xx.xx.xx.xx.xx
Submit MacFilter config	Submit MacFilter_config <submit></submit>	<submit> 1:submit</submit>
Set device security funtion	Device modify <web_console> <telnet_console> <serach> <upgrade></upgrade></serach></telnet_console></web_console>	<web_console> 0:disable 1:enable <telnet_console> 0:disable 1:enable <serach> 0:disable 1:enable <upgrade> 0:disable 1:enable</upgrade></serach></telnet_console></web_console>

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

ModbusGateway(Security)# ?

List	List commands name			
Help	List commands name and help info			
Quit	Quit from CLI			
Exit	Exit from current menu			
Reboot	Reboot device			
UserManage show	Show user infomation			
Auth	Set authentication			
UserManage add	Add a user			
UserManage modify	Modify a user			
UserManage delete	Delete a user			
IpFilter show	Show ip filter			
IpFilter set	Set ip filter control			
IpFilter def	Set ip filter default perimission			
IpFilter modify	Modify ip filter list			
Submit IPFilter_config	Submit IPFilter config			
MacFilter show	Show mac filter			
MacFilter set	Set mac filter control			
MacFilter def	Set mac filter default perimissio			
MacFilter modify	Modify mac filter list			
Submit MacFilter_config	Submit MacFilter config			
Device show	Show device security			
Device modify	Modify device security			

Example: Set the user name and password are admin123.

ModbusGateway(Security)# userManage add admin123 admin123
admin123 1
[OK]

[OK]

Example: set the user management 2 of the user name and password are set to admin111, for the administrator.

```
ModbusGateway(Security)# userManage modify 2 admin111 admin111
admin111 1
[OK]
```

Example: User management entries delete.

```
ModbusGateway(Security)# userManage delete 2
[OK]
```

Example: set the IP filter rule to prohibit access 3onedata proprietary and confidential Copyright © Shenzhen 3onedata Technology Co., Ltd.



```
ModbusGateway(Security)# ipFilter def 0
[OK]
```

Example: modify the status of IP filtering rule entries 1 to allow, access permission for the permission to access, allowing access to the address 192.168.2.188, subnet mask is set to 255.255.255.0

```
ModbusGateway(Security)## ipFilter modify 1 1 1 192.168.2.188
255.255.255.0
[OK]
```

Example: modify the status of MAC filtering rule entry 1 to allow, access permission to allow access, allowing the MAC address for 00.00.00.00.00.01

```
ModbusGateway(Security) # macFilter modify 1 1 1 00.00.00.00.01
[OK]
```

4.2 Display Security Management

	Opera	ting	Command	Des	cription
Display	user	management	LiserManage show		
information	on		Usermanage show		
Display I	P filterin	g information	IpFilter show	<list_id></list_id>	1-16 or all
Display	MA	C filtering	MacFilter show	clict id 1.16 c	
information	on		<list_id></list_id>	<115t_10>1-16 01	
Display	devid	ce security	Dovice chow		
settings i	nformat	ion			

Please check the security information command as table

Example: Display serial COM1 basic parameters set information

```
ModbusGateway(Security)# userManage show
user_index:1 user_name:admin
user_level:administrator
user_index:2 user_name:admin123 user_level:guest
user_index:3 user_name:admin1 user_level:guest
```

Example: display IP address filtering item 1 information

```
ModbusGateway(Security)# ipfilter show_details 1
list_id:1
state: enable
```





acess permission:	allow
ip address:	192.168.2.188
subnet mask:	255.255.255.0

Example: display MAC address filtering item 1 information

ModbusGateway(Security)# macFilter show_details 1
list_id:1
state: enable
access permission: alley

acess	permission:	allc	W					
mac ad	ddress:	00.00).0	0.	00.	00	•	00

Example: display device security settings information

ModbusGateway(Security)# device show
web: Enable
telnet: Enable
search: Enable
upgrade: Enable





5.1 Enter into the view of System Management

Operating	Command	Description
Enter into the view of device information	Manage	Run in the view of system
Set ip mode	lp_mode <ip_mode></ip_mode>	<ip_mode>'0'express</ip_mode>
		staic, 1'express auto
		<gateway></gateway>
Set gateway	Gateway <i><gateway></gateway></i>	gateway address
		such as 192.168.1.1
		<ip_address></ip_address>
		ip address such as
Set IP address and	lp <ip_address> <mask></mask></ip_address>	192.168.1.254
subnet mask		<mask></mask>
		subnet mask such as
		255.255.255.0
		<dns_mode></dns_mode>
set dns mode	Dns_mode <dns_mode></dns_mode>	'0'express staic,'1'express
		auto
		<dns_address></dns_address>
Set dns address	Dns <dns_address></dns_address>	dns address such as
		202.94.134.133

Please check the device information command as table

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Operating	Command	Description
Set reportdestaddr parameters	Set_reportdestaddr <reportdestip> <reportdestport> <reportperiod></reportperiod></reportdestport></reportdestip>	<reportdestip> reportdestipaddress <reportdestport> reportdestport form 1 to65535 <reportperiod> reportperiod form 1 to 65535</reportperiod></reportdestport></reportdestip>
Set overtime	Set console_timeout <time_out></time_out>	<time_out>Range [0-60] minutes 0Close timeout function</time_out>
Reset to default config	Restore	

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

```
ModbusGateway(Device) # manage
ModbusGateway(Manage) # ?
 List
                            --List commands name
 Help
                            --List commands name and help info
 Quit
                            --Quit from CLI
 Exit
                            --Exit from current menu
 Reboot
                            --Reboot device
 Ip mode
                            --Set ip mode
 Gateway
                            --Set gateway
 Ip
                           --Set ip address and subnet mask
                            --set dns mode
 Dns mode
                           --Set dns address
 Dns
 Show net config
                             --Show net config
 Show reportdestaddr
                             --Show reportdestaddress
                              --set reportdestaddr parameters
 Set reportdestaddr
 Set console timeout
                              --Set console timeout
 Restore
                            --Reset to default config
```

Example: set the device gateway to 192.168.2.1

ModbusGateway(Manage) # gateway 192.168.2.1

[OK]

The device is rebooting. Please waiting.....

Example: set the timeout period to 60min



ModbusGateway(Manage) # set 60 [OK]

5.2 Display System Management

Please check the device information command as table

Operating	Command	Description	
Display system	show not address	Carry out under the view of system	
address information	show het_address	management	
Display report dest	show	Carry out under the view of system	
address information	reportdestaddr	management	

Example: display device address information

ModbusGa	teway	(Manage)	# s	show	net_	addres	SS
Device	IP ac	dress	:	192	.168	.1.254	
Device	mask	address	:	25	5.255	.255.0)
Device	gatev	vay	:	192	.168.	1.1	





6.1 Enter into the view of device information

Operating	Command	Description
Enter into the view of device information	Information	Run in the view of system
Device type setting	DeviceType <string></string>	<string>parameters</string>
Device Name setting	DeviceName <string></string>	<string>parameters</string>
Device description setting	DeviceDescrip <string></string>	<string>parameters</string>
Device number setting	SerialNumber <string></string>	<string>parameters</string>
Connection way setting	ContactWay <string></string>	<string>parameters</string>

Please check the device information command as table

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

ModbusGateway(Device) # information

ModbusGateway(System) # ?

List	List commands name			
Help	List commands name and help info			
Quit	Quit from CLI			
Exit	Exit from current menu			
Reboot	Reboot device			
Show mac	Show device MAC address			
Show version	Show device version			
Show others	Show device name,type,etc			
DeviceType	Config device type			
DeviceName	Config device name			
DeviceDescrip	Config device description			



SerialNumber --Config serial number ContactWay --Config contact way Example: set the device type is 123456.

```
ModbusGateway(System) # deviceType 123456
[OK]
```

Example: setting the device name is 2222222.

```
ModbusGateway(System) # deviceName 2222222
[OK]
```

Example: setting the device description is 333333.

```
ModbusGateway(System) # deviceDescrip 333333
[OK]
```

Example: setting the device number is 4444444.

```
ModbusGateway(System) # serialNumber 4444444
[OK]
```

Example: setting the contact information for 555555555. ModbusGateway(System) # contactWay 555555555 [OK]

6.2 Display device information

Please check the device information command as table 6.2.1



In the table description, the number of ports and the type of serial port that is supported are different depending on the device.

Operating	Command		Description
Show system version	show	version	Correct out under the view of
Show MAC address of device	show	mac	device information
Show Device Type, Name, etc.	show	others	

Example: view the software and hardware version of the device, etc.

ModbusGateway(System) # show version SoftWare Version : 1.0.0 Build 20170626401R





```
HardWare Version : 2.0.0
Release Date : 10:24:24 , Jul 6 2017
```

Example: check the device model, name, etc.

ModbusGateway(System) # show others

Device type	8COM
Device name	ModbusGateway
Description	1LAN
Serial number	201706080001
Contact way	

Example: Check the MAC address

ModbusGateway(System) # show mac Device MAC address : 00.22.6F.EE.00.01









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