



## Command Line Interface user guide

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# Console Management

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## Connecting to the Console Port

The supplied cable has one RS-232 connector and one RJ-45 connector.

Attach the

RS-232 connector to a PC or terminal and the RJ-45 connector to the console port of switch. The connected terminal or PC must support the terminal emulation program.

## Login in the Console Interface

When the connection between Switch and PC is ready, turn on the PC and run a terminal emulation program such as **Hyper Terminal** and configure its **communication parameters** to match the following default characteristics of the console port:

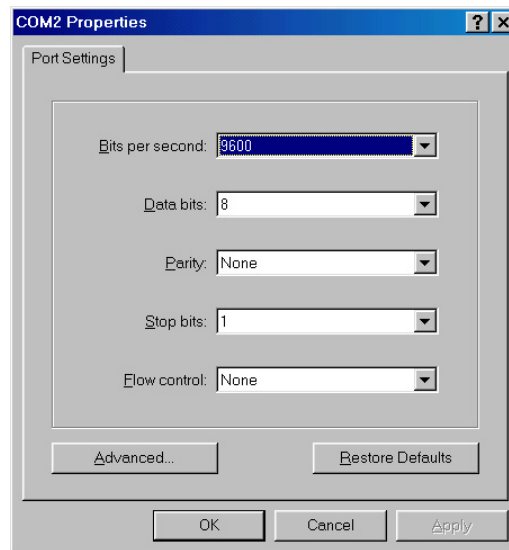
**Baud Rate: 9600 bps**

**Data Bits: 8**

**Parity: none**

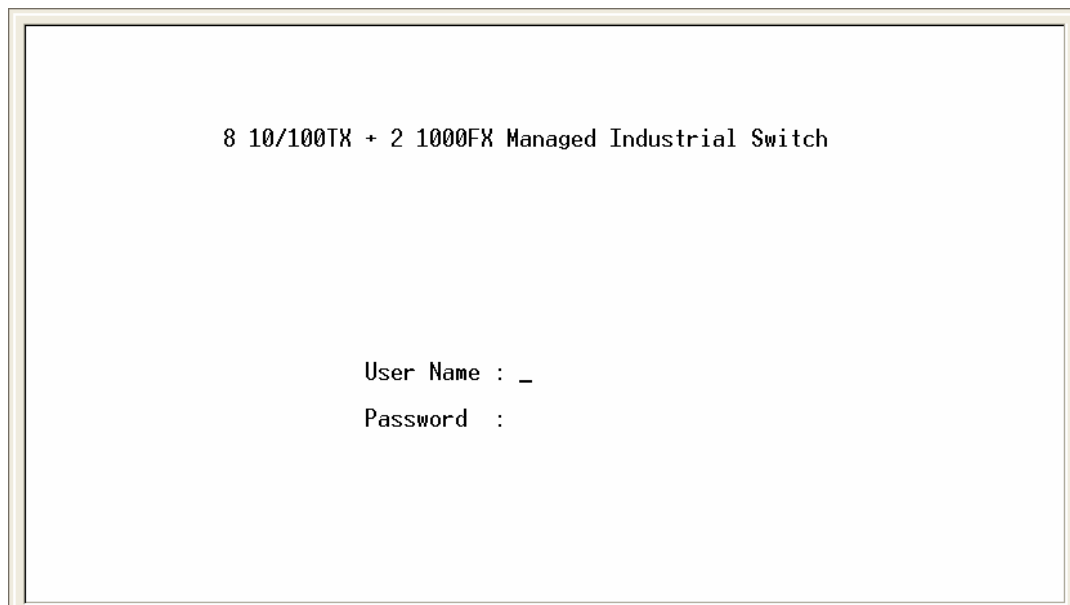
**Stop Bit: 1**

## Flow control: None



The settings of communication parameters

After finishing the parameter settings, click **“OK”**. When the blank screen shows up, press the **Enter** key for the login prompt. Key in the **“root”**(default value) for both the User name and Password (use **Enter** key to switch), then press the **Enter** key and the Main Menu of the console management appears. Please see below figure for login screen.



Console login interface

# CLI Management

The system supports two types of console management – CLI command and Menu selection. After you login to the system, you will see a command prompt. To enter CLI management interface, enter “**enable**” command.

```
switch>enable
switch#_
```

CLI command interface

The following table lists the CLI commands and descriptions.

## Commands Level

Modes	Access Method	Prompt	Exit Method	About This Mode <sup>1</sup>
User EXEC	Begin a session with your switch.	switch>	Enter logout or quit.	The user commands available at the user level are a subset of those available at the privileged level. Use this mode to <ul style="list-style-type: none"> <li>• Perform basic tests.</li> <li>• Display system information.</li> </ul>
Privileged EXEC	Enter the enable command while in user EXEC mode.	switch#	Enter disable to exit.	The privileged command is advance mode Privileged this mode to <ul style="list-style-type: none"> <li>• Display advance function status</li> <li>• Save configures</li> </ul>
Global Configuration	Enter the configure command while in privileged EXEC mode.	switch (config)#	To exit to privileged EXEC mode, enter exit or end	Use this mode to configure parameters that apply to your switch as a whole.
VLAN database	Enter the vlan database command while in privileged EXEC mode.	switch (vlan)#	To exit to user EXEC mode, enter exit.	Use this mode to configure VLAN-specific parameters.
Interface configuration	Enter the interface command	switch (config-if)#	To exit to global configuratio	Use this mode to configure parameters for the switch and

	(with a specific interface) while in global configuration mode		n mode, enter exit. To exist to privileged EXEC mode, or end.	Ethernet ports.
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## Commands Set List

### System Commands Set

Netstar Commands	Level	Description	Example
<b>show config</b>	<b>E</b>	Show switch configuration	switch>show config
<b>show terminal</b>	<b>P</b>	Show console information	switch#show terminal
<b>menu</b>	<b>E</b>	Enter MENU mode	switch>menu
<b>write memory</b>	<b>G</b>	Save user configuration into permanent memory (flash rom)	switch#write memory
<b>system name</b> [System Name]	<b>G</b>	Configure system name	switch(config)#system name xxx
<b>system location</b> [System Location]	<b>G</b>	Set switch system location string	switch(config)#system location xxx
<b>system description</b> [System Description]	<b>G</b>	Set switch system description string	switch(config)#system description xxx
<b>system contact</b> [System Contact]	<b>G</b>	Set switch system contact window string	switch(config)#system contact xxx

<b>show system-info</b>	<b>E</b>	Show system information	switch>show system-info
<b>ip address</b> [Ip-address] [Subnet-mask] [Gateway]	<b>G</b>	Configure the IP address of switch	switch(config)#ip address 192.168.1.1 255.255.255.0 192.168.1.254
<b>ip dhcp</b>	<b>G</b>	Enable DHCP client function of switch	switch(config)#ip dhcp
<b>show ip</b>	<b>P</b>	Show IP information of switch	switch#show ip
<b>no ip dhcp</b>	<b>G</b>	Disable DHCP client function of switch	switch(config)#no ip dhcp
<b>reload</b>	<b>G</b>	Halt and perform a cold restart	switch(config)#reload
<b>default</b>	<b>G</b>	Restore to default	Switch(config)#default
<b>admin username</b> [Username]	<b>G</b>	Changes a login username. (maximum 10 words)	switch(config)#admin username xxxxxx
<b>admin password</b> [Password]	<b>G</b>	Specifies a password (maximum 10 words)	switch(config)#admin password xxxxxx
<b>show admin</b>	<b>P</b>	Show administrator information	switch#show admin
<b>dhcpserver enable</b>	<b>G</b>	Enable DHCP Server	switch(config)#dhcpserver enable
<b>dhcpserver lowip</b> [Low IP]	<b>G</b>	Configure low IP address for IP pool	switch(config)# dhcpserver lowip 192.168.1.100
<b>dhcpserver highip</b> [High IP]	<b>G</b>	Configure high IP address for IP pool	switch(config)# dhcpserver highip 192.168.1.200
<b>dhcpserver subnetmask</b> [Subnet mask]	<b>G</b>	Configure subnet mask for DHCP clients	switch(config)#dhcpserver subnetmask 255.255.255.0
<b>dhcpserver gateway</b> [Gateway]	<b>G</b>	Configure gateway for DHCP clients	switch(config)#dhcpserver gateway 192.168.1.254

<b>dhcpserver dnsip</b> [DNS IP]	<b>G</b>	Configure DNS IP for DHCP clients	switch(config)# dhcpserver dnsip 192.168.1.1
<b>dhcpserver leasetime</b> [Hours]	<b>G</b>	Configure lease time (in hour)	switch(config)#dhcpserver leasetime 1
<b>dhcpserver ipbinding</b> [IP address]	<b>I</b>	Set static IP for DHCP clients by port	switch(config)#interface fastEthernet 2 switch(config-if)#dhcpserver ipbinding 192.168.1.1
<b>show dhcpserver configuration</b>	<b>P</b>	Show configuration of DHCP server	switch#show dhcpserver configuration
<b>show dhcpserver clients</b>	<b>P</b>	Show client entries of DHCP server	switch#show dhcpserver clients
<b>show dhcpserver ip-binding</b>	<b>P</b>	Show IP-Binding information of DHCP server	switch#show dhcpserver ip-binding
<b>no dhcpserver</b>	<b>G</b>	Disable DHCP server function	switch(config)#no dhcpserver
<b>security enable</b>	<b>G</b>	Enable IP security function	switch(config)#security enable
<b>security http</b>	<b>G</b>	Enable IP security of HTTP server	switch(config)#security http
<b>security telnet</b>	<b>G</b>	Enable IP security of telnet server	switch(config)#security telnet
<b>security ip</b> [Index(1..10)] [IP Address]	<b>G</b>	Set the IP security list	switch(config)#security ip 1 192.168.1.55
<b>show security</b>	<b>P</b>	Show the information of IP security	switch#show security
<b>no security</b>	<b>G</b>	Disable IP security function	switch(config)#no security
<b>no security http</b>	<b>G</b>	Disable IP security of HTTP server	switch(config)#no security http
<b>no security telnet</b>	<b>G</b>	Disable IP security of	switch(config)#no security telnet

		telnet server	
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## Port Commands Set

Netstar Commands	Level	Description	Example
<b>interface fastEthernet</b> [Portid]	<b>G</b>	Choose the port for modification.	switch(config)#interface fastEthernet 2
<b>duplex</b> [full   half]	<b>I</b>	Use the duplex configuration command to specify the duplex mode of operation for Fast Ethernet.	switch(config)#interface fastEthernet 2 switch(config-if)#duplex full
<b>speed</b> [10 100 1000 auto]	<b>I</b>	Use the speed configuration command to specify the speed mode of operation for Fast Ethernet., the speed can't be set to 1000 if the port isn't a giga port..	switch(config)#interface fastEthernet 2 switch(config-if)#speed 100
<b>flowcontrol mode</b> [Symmetric Asymmetric]	<b>I</b>	Use the flowcontrol configuration command on Ethernet ports to control traffic rates during congestion.	switch(config)#interface fastEthernet 2 switch(config-if)#flowcontrol mode Asymmetric
<b>no flowcontrol</b>	<b>I</b>	Disable flow control of interface	switch(config-if)#no flowcontrol
<b>security enable</b>	<b>I</b>	Enable security of interface	switch(config)#interface fastEthernet 2 (config-if)#security enable

<b>no security</b>	<b>I</b>	Disable security of interface	switch(config)#interface fastEthernet 2 switch(config-if)#no security
<b>bandwidth type all</b>	<b>I</b>	Set interface ingress limit frame type to "accept all frame"	switch(config)#interface fastEthernet 2 switch(config-if)#bandwidth type all
<b>bandwidth type broadcast-multicast-flooded-unicast</b>	<b>I</b>	Set interface ingress limit frame type to "accept broadcast, multicast, and flooded unicast frame"	switch(config)#interface fastEthernet 2 switch(config-if)#bandwidth type broadcast-multicast-flooded-unicast
<b>bandwidth type broadcast-multicast</b>	<b>I</b>	Set interface ingress limit frame type to "accept broadcast and multicast frame"	switch(config)#interface fastEthernet 2 switch(config-if)#bandwidth type broadcast-multicast
<b>bandwidth type broadcast-only</b>	<b>I</b>	Set interface ingress limit frame type to "only accept broadcast frame"	switch(config)#interface fastEthernet 2 switch(config-if)#bandwidth type broadcast-only
<b>bandwidth in [Value]</b>	<b>I</b>	Set interface input bandwidth. Rate Range is from 100 kbps to 102400 kbps or to 256000 kbps for giga ports, and zero means no limit.	switch(config)#interface fastEthernet 2 switch(config-if)#bandwidth in 100
<b>bandwidth out [Value]</b>		Set interface output bandwidth. Rate Range is from 100 kbps to 102400 kbps	switch(config)#interface fastEthernet 2 switch(config-if)#bandwidth out 100

		or to 256000 kbps for giga ports, and zero means no limit.	
<b>show bandwidth</b>	I	Show interfaces bandwidth control	switch(config)#interface fastEthernet 2 switch(config-if)#show bandwidth
<b>state</b> [Enable   Disable]	I	Use the state interface configuration command to specify the state mode of operation for Ethernet ports. Use the disable form of this command to disable the port.	switch(config)#interface fastEthernet 2 (config-if)#state Disable
<b>show interface configuration</b>	I	show interface configuration status	switch(config)#interface fastEthernet 2 switch(config-if)#show interface configuration
<b>show interface status</b>	I	show interface actual status	switch(config)#interface fastEthernet 2 (config-if)#show interface status
<b>show interface accounting</b>	I	show interface statistic counter	switch(config)#interface fastEthernet 2 (config-if)#show interface accounting
<b>no accounting</b>	I	Clear interface accounting information	switch(config)#interface fastEthernet 2 switch(config-if)#no accounting

## Trunk Commands Set

Netstar Commands	Level	Description	Example
<b>aggregator priority</b> [1~65535]	<b>G</b>	Set port group system priority	switch(config)#aggregator priority 22
<b>aggregator activityport</b> [Port Numbers]	<b>G</b>	Set activity port	switch(config)#aggregator activityport 2
<b>aggregator group</b> [GroupID] [Port-list] <b>lacp</b> <b>workp</b> [Workport]	<b>G</b>	Assign a trunk group with LACP active. [GroupID] :1~3 [Port-list]:Member port list, This parameter could be a port range(ex.1-4) or a port list separate by a comma(ex.2, 3, 6)  [Workport]: The amount of work ports, this value could not be less than zero or be large than the amount of member ports.	switch(config)#aggregator group 1 1-4 lacp workp 2 or switch(config)#aggregator group 2 1,4,3 lacp workp 3
<b>aggregator group</b> [GroupID] [Port-list] <b>nolacp</b>	<b>G</b>	Assign a static trunk group. [GroupID] :1~3 [Port-list]:Member port list, This parameter could be a port range(ex.1-4) or a port list separate by a comma(ex.2, 3, 6)	switch(config)#aggregator group 1 2-4 nolacp or switch(config)#aggregator group 1 3,1,2 nolacp
<b>show aggregator</b>	<b>P</b>	Show the information of trunk group	switch#show aggregator
<b>no aggregator lacp</b> [GroupID]	<b>G</b>	Disable the LACP function of trunk group	switch(config)#no aggregator lacp 1

<b>no aggregator group</b> [GroupID]	<b>G</b>	Remove a trunk group	switch(config)#no aggregator group 2
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## VLAN Commands Set

Netstar Commands	Level	Description	Example
<b>vlan database</b>	<b>P</b>	Enter VLAN configure mode	switch#vlan database
<b>Vlanmode</b> [portbase  802.1q   gvrp]	<b>V</b>	To set switch VLAN mode.	switch(vlan)# vlanmode portbase or switch(vlan)# vlanmode 802.1q or switch(vlan)# vlanmode gvrp
<b>no vlan</b>	<b>V</b>	Disable VLAN	
<b>Ported based VLAN configuration</b>			
<b>vlan port-based</b> <b>grpname</b> [Group Name] <b>grp-id</b> [GroupID] <b>port</b> [PortNumbers]	<b>V</b>	Add new port based VALN	switch(vlan)# vlan port-based grpname test grp-id 2 port 2-4
<b>show vlan</b> [GroupID] or <b>show vlan</b>	<b>V</b>	Show VLAN information	switch(vlan)#show vlan 23
<b>no vlan group</b> [GroupID]	<b>V</b>	Delete port base group ID	switch(vlan)#no vlan group 2
<b>IEEE 802.1Q VLAN</b>			
<b>vlan 8021q name</b> [GroupName] <b>vid</b> [VID]	<b>V</b>	Change the name of VLAN group, if the group didn't exist, this command can't be applied.	switch(vlan)#vlan 8021q test vid 22

<b>vlan 8021q port</b> [PortNumber] <b>access-link untag</b> [UntaggedVID]	<b>V</b>	Assign a access link for VLAN by port, if the port belong to a trunk group, this command can't be applied.	switch(vlan)#vlan 8021q port 3 access-link untag 33
<b>vlan 8021q port</b> [PortNumber] <b>trunk-link tag</b> [TaggedVID List]	<b>V</b>	Assign a trunk link for VLAN by port, if the port belong to a trunk group, this command can't be applied.	switch(vlan)#vlan 8021q port 3 trunk-link tag 2,3,6,99 or switch(vlan)#vlan 8021q port 3 trunk-link tag 3-20
<b>vlan 8021q port</b> [PortNumber] <b>hybrid-link untag</b> [UntaggedVID] <b>tag</b> [TaggedVID List]	<b>V</b>	Assign a hybrid link for VLAN by port, if the port belong to a trunk group, this command can't be applied.	switch(vlan)# vlan 8021q port 3 hybrid-link untag 4 tag 3,6,8 or switch(vlan)# vlan 8021q port 3 hybrid-link untag 5 tag 6-8
<b>vlan 8021q trunk</b> [PortNumber] <b>access-link untag</b> [UntaggedVID]	<b>V</b>	Assign a access link for VLAN by trunk group	switch(vlan)#vlan 8021q trunk 3 access-link untag 33
<b>vlan 8021q trunk</b> [PortNumber] <b>trunk-link tag</b> [TaggedVID List]	<b>V</b>	Assign a trunk link for VLAN by trunk group	switch(vlan)#vlan 8021q trunk 3 trunk-link tag 2,3,6,99 or switch(vlan)#vlan 8021q trunk 3 trunk-link tag 3-20
<b>vlan 8021q trunk</b> [PortNumber] <b>hybrid-link untag</b> [UntaggedVID] <b>tag</b> [TaggedVID List]	<b>V</b>	Assign a hybrid link for VLAN by trunk group	switch(vlan)# vlan 8021q trunk 3 hybrid-link untag 4 tag 3,6,8 or switch(vlan)# vlan 8021q trunk 3 hybrid-link untag 5 tag 6-8
<b>show vlan</b> [GroupID] or <b>show vlan</b>	<b>V</b>	Show VLAN information	switch(vlan)#show vlan 23

<b>no vlan group</b> [GroupID]	<b>V</b>	Delete port base group ID	switch(vlan)#no vlan group 2
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## Spanning Tree Commands Set

Netstar Commands	Level	Description	Example
<b>spanning-tree enable</b>	<b>G</b>	Enable spanning tree	switch(config)#spanning-tree enable
<b>spanning-tree priority</b> [0~61440]	<b>G</b>	Configure spanning tree priority parameter	switch(config)#spanning-tree priority 32767
<b>spanning-tree max-age</b> [seconds]	<b>G</b>	Use the spanning-tree max-age global configuration command to change the interval between messages the spanning tree receives from the root switch. If a switch does not receive a bridge protocol data unit (BPDU) message from the root switch within this interval, it recomputed the Spanning Tree Protocol (STP) topology.	switch(config)# spanning-tree max-age 15
<b>spanning-tree hello-time</b> [seconds]	<b>G</b>	Use the spanning-tree hello-time global configuration command to specify the interval between hello bridge protocol data units (BPDUs).	switch(config)#spanning-tree hello-time 3
<b>spanning-tree forward-time</b> [seconds]	<b>G</b>	Use the spanning-tree forward-time global configuration command to set the forwarding-time for the specified spanning-tree instances. The	switch(config)# spanning-tree forward-time 20

		<p>forwarding time determines how long each of the listening and learning states last before the port begins forwarding.</p>	
<p><b>stp-path-cost</b> [1~200000000]</p>	I	<p>Use the spanning-tree cost interface configuration command to set the path cost for Spanning Tree Protocol (STP) calculations. In the event of a loop, spanning tree considers the path cost when selecting an interface to place into the forwarding state.</p>	<pre>switch(config)#interface fastEthernet 2 switch(config-if)#stp-path-cost 20</pre>
<p><b>stp-path-priority</b> [Port Priority]</p>	I	<p>Use the spanning-tree port-priority interface configuration command to configure a port priority that is used when two switches tie for position as the root switch.</p>	<pre>switch(config)#interface fastEthernet 2 switch(config-if)# stp-path-priority 127</pre>

<b>stp-admin-p2p</b> [Auto True False]	<b>I</b>	Admin P2P of STP priority on this interface.	switch(config)#interface fastEthernet 2 switch(config-if)# stp-admin-p2p Auto
<b>stp-admin-edge</b> [True False]	<b>I</b>	Admin Edge of STP priority on this interface.	switch(config)#interface fastEthernet 2 switch(config-if)# stp-admin-edge True
<b>stp-admin-non-stp</b> [True False]	<b>I</b>	Admin NonSTP of STP priority on this interface.	switch(config)#interface fastEthernet 2 switch(config-if)# stp-admin-non-stp False
<b>show spanning-tree</b>	<b>E</b>	Display a summary of the spanning-tree states.	switch>show spanning-tree
<b>no spanning-tree</b>	<b>G</b>	Disable spanning-tree.	switch(config)#no spanning-tree

## QOS Commands Set

Netstar Commands	Level	Description	Example
<b>qos policy</b> [weighted-fair strict]	<b>G</b>	Select QOS policy scheduling	switch(config)#qos policy weighted-fair
<b>qos prioritytype</b> [port-based cos-only tos-only cos-first tos-first]	<b>G</b>	Setting of QOS priority type	switch(config)#qos prioritytype
<b>qos priority portbased</b> [Port] [lowest low middle high]	<b>G</b>	Configure Port-based Priority	switch(config)#qos priority portbased 1 low
<b>qos priority cos</b> [Priority][lowest low middle high]	<b>G</b>	Configure COS Priority	switch(config)#qos priority cos 0 middle
<b>qos priority tos</b>	<b>G</b>	Configure TOS	switch(config)#qos priority tos 3 high

<b>[Priority][lowest low middle high]</b>		Priority	
<b>show qos</b>	<b>P</b>	Display the information of QoS configuration	Switch#show qos
<b>no qos</b>	<b>G</b>	Disable QoS function	switch(config)#no qos

## IGMP Commands Set

Netstar Commands	Level	Description	Example
<b>igmp enable</b>	<b>G</b>	Enable IGMP snooping function	switch(config)#igmp enable
<b>igmp-query auto</b>	<b>G</b>	Set IGMP query to auto mode	switch(config)#igmp-query auto
<b>igmp-query force</b>	<b>G</b>	Set IGMP query to force mode	switch(config)#igmp-query force
<b>show igmp configuration</b>	<b>P</b>	Displays the details of an IGMP configuration.	switch#show igmp configuration
<b>show igmp multi</b>	<b>P</b>	Displays the details of an IGMP snooping entries.	switch#show igmp multi
<b>no igmp</b>	<b>G</b>	Disable IGMP snooping function	switch(config)#no igmp
<b>no igmp-query</b>	<b>G</b>	Disable IGMP query	switch#no igmp-query

## Mac / Filter Table Commands Set

Netstar Commands	Level	Description	Example
<b>mac-address-table static hwaddr [MAC]</b>	<b>I</b>	Configure MAC address table of interface (static).	switch(config)#interface fastEthernet 2 switch(config-if)#mac-address-table static hwaddr 000012345678
<b>mac-address-table filter hwaddr [MAC]</b>	<b>G</b>	Configure MAC address table(filter)	switch(config)#mac-address-table filter hwaddr 000012348678
<b>show</b>	<b>P</b>	Show all MAC address table	switch#show mac-address-table

<b>mac-address-table</b>			
<b>show mac-address-table static</b>	<b>P</b>	Show static MAC address table	switch#show mac-address-table static
<b>show mac-address-table filter</b>	<b>P</b>	Show filter MAC address table.	switch#show mac-address-table filter
<b>no mac-address-table static hwaddr [MAC]</b>	<b>I</b>	Remove an entry of MAC address table of interface (static)	switch(config)#interface fastEthernet 2 switch(config-if)#no mac-address-table static hwaddr 000012345678
<b>no mac-address-table filter hwaddr [MAC]</b>	<b>G</b>	Remove an entry of MAC address table (filter)	switch(config)#no mac-address-table filter hwaddr 000012348678
<b>no mac-address-table</b>	<b>G</b>	Remove dynamic entry of MAC address table	switch(config)#no mac-address-table

## SNMP Commands Set

Netstar Commands	Level	Description	Example
<b>snmp system-name [System Name]</b>	<b>G</b>	Set SNMP agent system name	switch(config)#snmp system-name l2switch
<b>snmp system-location [System Location]</b>	<b>G</b>	Set SNMP agent system location	switch(config)#snmp system-location lab
<b>snmp system-contact [System Contact]</b>	<b>G</b>	Set SNMP agent system contact	switch(config)#snmp system-contact where
<b>snmp agent-mode [v1v2c v3 v1v2cv3]</b>	<b>G</b>	Select the agent mode of SNMP	switch(config)#snmp agent-mode v1v2cv3
<b>snmp community-strings [Community]</b>	<b>G</b>	Add SNMP community string.	switch(config)#snmp community-strings public right rw

<b>right</b> [RO/RW]			
<b>snmp-server host</b> [IP address] <b>community</b> [Community-string] <b>trap-version</b> [v1 v2c]	<b>G</b>	Configure SNMP server host information and community string	switch(config)#snmp-server host 192.168.1.50 community public trap-version v1 (remove) Switch(config)# no snmp-server host 192.168.1.50
<b>snmpv3 context-name</b> [Context Name ]	<b>G</b>	Configure the context name	switch(config)#snmpv3 context-name Test
<b>snmpv3 user</b> [User Name] <b>group</b> [Group Name] <b>password</b> [Authentication Password] [Privacy Password]	<b>G</b>	Configure the userprofile for SNMPV3 agent. Privacy password could be empty.	switch(config)#snmpv3 user test01 group G1 password AuthPW PrivPW
<b>snmpv3 access</b> <b>context-name</b> [Context Name ] <b>group</b> [Group Name ] <b>security-level</b> [NoAuthNoPriv AuthNo Priv AuthPriv] <b>match-rule</b> [Exact Prifix] <b>views</b> [Read View Name] [Write View Name] [Notify View Name]	<b>G</b>	Configure the access table of SNMPV3 agent	switch(config)#snmpv3 access context-name Test group G1 security-level AuthPriv match-rule Exact views V1 V1 V1

<b>snmpv3 mibview view</b> [View Name] <b>type</b> [Excluded Included] <b>sub-oid</b> [OID]	<b>G</b>	Configure the mibview table of SNMPV3 agent	switch(config)#snmpv3 mibview view V1 type Excluded sub-oid 1.3.6.1
<b>show snmp</b>	<b>P</b>	Show SNMP configuration	switch#show snmp
<b>no snmp community-strings</b> [Community]	<b>G</b>	Remove the specified community.	switch(config)#no snmp community-strings public
<b>no snmp-server host</b> [Host-address]	<b>G</b>	Remove the SNMP server host.	switch(config)#no snmp-server 192.168.1.50
<b>no snmpv3 user</b> [User Name]	<b>G</b>	Remove specified user of SNMPv3 agent.	switch(config)#no snmpv3 user Test
<b>no snmpv3 access context-name</b> [Context Name ] <b>group</b> [Group Name ] <b>security-level</b> [NoAuthNoPriv AuthNoPriv AuthPriv] <b>match-rule</b> [Exact Prefix] <b>views</b> [Read View Name] [Write View Name] [Notify View Name]	<b>G</b>	Remove specified access table of SNMPv3 agent.	switch(config)#no snmpv3 access context-name Test group G1 security-level AuthPriv match-rule Exact views V1 V1 V1
<b>no snmpv3 mibview view</b> [View Name]	<b>G</b>	Remove specified mibview table of SNMPV3 agent.	switch(config)#no snmpv3 mibview view V1 type Excluded sub-oid 1.3.6.1

<b>type</b> [Excluded Included]			
<b>sub-oid</b> [OID]			

## Port Mirroring Commands Set

Netstar Commands	Level	Description	Example
<b>monitor rx</b>	<b>G</b>	Set RX destination port of monitor function	switch(config)#monitor rx
<b>monitor tx</b>	<b>G</b>	Set TX destination port of monitor function	switch(config)#monitor tx
<b>show monitor</b>	<b>P</b>	Show port monitor information	switch#show monitor
<b>monitor</b> [RX TX Both]	<b>I</b>	Configure source port of monitor function	switch(config)#interface fastEthernet 2 switch(config-if)#monitor RX
<b>show monitor</b>	<b>I</b>	Show port monitor information	switch(config)#interface fastEthernet 2 switch(config-if)#show monitor
<b>no monitor</b>	<b>I</b>	Disable source port of monitor function	switch(config)#interface fastEthernet 2 switch(config-if)#no monitor

## 802.1x Commands Set

Netstar Commands	Level	Description	Example
<b>8021x enable</b>	<b>G</b>	Use the 802.1x global configuration	switch(config)# 8021x enable

		command to enable 802.1x protocols.	
<b>8021x system radiousip</b> [IP address]	<b>G</b>	Use the 802.1x system radious IP global configuration command to change the radious server IP.	switch(config)# 8021x system radiousip 192.168.1.1
<b>8021x system serverport</b> [port ID]	<b>G</b>	Use the 802.1x system server port global configuration command to change the radious server port	switch(config)# 8021x system serverport 1815
<b>8021x system accountport</b> [port ID]	<b>G</b>	Use the 802.1x system account port global configuration command to change the accounting port	switch(config)# 8021x system accountport 1816
<b>8021x system sharekey</b> [ID]	<b>G</b>	Use the 802.1x system share key global configuration command to change the shared key value.	switch(config)# 8021x system sharekey 123456
<b>8021x system nasid</b> [words]	<b>G</b>	Use the 802.1x system nasid global configuration command to change the NAS ID	switch(config)# 8021x system nasid test1
<b>8021x misc quietperiod</b> [sec.]	<b>G</b>	Use the 802.1x misc quiet period global configuration command to specify	switch(config)# 8021x misc quietperiod 10

		the quiet period value of the switch.	
<b>8021x misc txperiod</b> [sec.]	<b>G</b>	Use the 802.1x misc TX period global configuration command to set the TX period.	switch(config)# 8021x misc txperiod 5
<b>8021x misc supportimeout</b> [sec.]	<b>G</b>	Use the 802.1x misc supp timeout global configuration command to set the supplicant timeout.	switch(config)# 8021x misc supportimeout 20
<b>8021x misc servertimeout</b> [sec.]	<b>G</b>	Use the 802.1x misc server timeout global configuration command to set the server timeout.	switch(config)#8021x misc servertimeout 20
<b>8021x misc maxrequest</b> [number]	<b>G</b>	Use the 802.1x misc max request global configuration command to set the MAX requests.	switch(config)# 8021x misc maxrequest 3
<b>8021x misc reauthperiod</b> [sec.]	<b>G</b>	Use the 802.1x misc reauth period global configuration command to set the reauth period.	switch(config)# 8021x misc reauthperiod 3000

<b>8021x portstate</b> [disable   reject   accept   authorize]	<b>I</b>	Use the 802.1x port state interface configuration command to set the state of the selected port.	switch(config)#interface fastethernet 3 switch(config-if)#8021x portstate accept
<b>show 8021x</b>	<b>E</b>	Display a summary of the 802.1x properties and also the port sates.	switch>show 8021x
<b>no 8021x</b>	<b>G</b>	Disable 802.1x function	switch(config)#no 8021x

## TFTP Commands Set

Netstar Commands	Level	Description	Defaults Example
<b>backup</b> <b>flash:backup_cfg</b>	<b>G</b>	Save configuration to TFTP and need to specify the IP of TFTP server and the file name of image.	switch(config)#backup flash:backup_cfg
<b>restore</b> <b>flash:restore_cfg</b>	<b>G</b>	Get configuration from TFTP server and need to specify the IP of TFTP server and the file name of image.	switch(config)#restore flash:restore_cfg
<b>upgrade</b> <b>flash:upgrade_fw</b>	<b>G</b>	Upgrade firmware by TFTP and need to specify the IP of TFTP server and the file name of image.	switch(config)#upgrade lash:upgrade_fw

## SystemLog, SMTP and Event Commands Set

Netstar Commands	Level	Description	Example
<b>systemlog ip</b> [IP address]	<b>G</b>	Set System log server IP address.	switch(config)# systemlog ip 192.168.1.100
<b>systemlog mode</b> [client server both]	<b>G</b>	Specified the log mode	switch(config)# systemlog mode both
<b>show systemlog</b>	<b>E</b>	Display system log.	Switch>show systemlog
<b>show systemlog</b>	<b>P</b>	Show system log client & server information	switch#show systemlog
<b>no systemlog</b>	<b>G</b>	Disable systemlog functon	switch(config)#no systemlog
<b>smtp enable</b>	<b>G</b>	Enable SMTP function	switch(config)#smtp enable
<b>smtp serverip</b> [IP address]	<b>G</b>	Configure SMTP server IP	switch(config)#smtp serverip 192.168.1.5
<b>smtp authentication</b>	<b>G</b>	Enable SMTP authentication	switch(config)#smtp authentication
<b>smtp account</b> [account]	<b>G</b>	Configure authentication account	switch(config)#smtp account User
<b>smtp password</b> [password]	<b>G</b>	Configure authentication password	switch(config)#smtp password
<b>smtp rcptemail</b> [Index] [Email address]	<b>G</b>	Configure Rcpt e-mail Address	switch(config)#smtp rcptemail 1 <a href="mailto:Alert@test.com">Alert@test.com</a>
<b>show smtp</b>	<b>P</b>	Show the information of SMTP	switch#show smtp
<b>no smtp</b>	<b>G</b>	Disable SMTP function	switch(config)#no smtp
<b>event device-cold-start</b>	<b>G</b>	Set cold start event type	switch(config)#event device-cold-start both

[Systemlog SMTP Both]			
<b>event authentication-failure</b> [Systemlog SMTP Both]	<b>G</b>	Set Authentication failure event type	switch(config)#event authentication-failure both
<b>event X - -ring-topology-change</b> [Systemlog SMTP Both]	<b>G</b>	Set X - ring topology changed event type	switch(config)#event X - -ring-topology-change both
<b>event systemlog</b> [Link-UP Link-Down Both]	<b>I</b>	Set port event for system log	switch(config)#interface fastethernet 3 switch(config-if)#event systemlog both
<b>event smtp</b> [Link-UP Link-Down Both]	<b>I</b>	Set port event for SMTP	switch(config)#interface fastethernet 3 switch(config-if)#event smtp both
<b>show event</b>	<b>P</b>	Show event selection	switch#show event
<b>no event device-cold-start</b>	<b>G</b>	Disable cold start event type	switch(config)#no event device-cold-start
<b>no event authentication-failure</b>	<b>G</b>	Disable Authentication failure event typ	switch(config)#no event authentication-failure
<b>no event X - -ring-topology-change</b>	<b>G</b>	Disable X - ring topology changed event type	switch(config)#no event X - -ring-topology-change
<b>no event systemlog</b>	<b>I</b>	Disable port event for system log	switch(config)#interface fastethernet 3 switch(config-if)#no event systemlog
<b>no event smtp</b>	<b>I</b>	Disable port event for SMTP	switch(config)#interface fastethernet 3 switch(config-if)#no event smtp

<b>show systemlog</b>	<b>P</b>	Show system log client & server information	switch#show systemlog
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## SNTP Commands Set

Netstar Commands	Level	Description	Example
<b>sntp enable</b>	<b>G</b>	Enable SNTP function	switch(config)#sntp enable
<b>sntp daylight</b>	<b>G</b>	Enable daylight saving time, if SNTP function is inactive, this command can't be applied.	switch(config)#sntp daylight
<b>sntp daylight-period</b> [Start time] [End time]	<b>G</b>	Set period of daylight saving time, if SNTP function is inactive, this command can't be applied.  Parameter format: [yyyymmdd-hh:mm]	switch(config)# sntp daylight-period 20060101-01:01 20060202-01-01
<b>sntp daylight-offset</b> [Minute]	<b>G</b>	Set offset of daylight saving time, if SNTP function is inactive, this command can't be applied.	switch(config)#sntp daylight-offset 3
<b>sntp ip</b> [IP]	<b>G</b>	Set SNTP server IP, if SNTP function is inactive, this command can't be applied.	switch(config)#sntp ip 192.169.1.1
<b>sntp timezone</b> [Timezone]	<b>G</b>	Set timezone index, use "show sntp timzezone" command to get more information of index	switch(config)#sntp timezone 22

		number	
<b>show sntp</b>	<b>P</b>	Show SNTP information	switch#show sntp
<b>show sntp timezone</b>	<b>P</b>	Show index number of time zone list	switch#show sntp timezone
<b>no sntp</b>	<b>G</b>	Disable SNTP function	switch(config)#no sntp
<b>no sntp daylight</b>	<b>G</b>	Disable daylight saving time	switch(config)#no sntp daylight

## X-ring Commands Set

Netstar Commands	Level	Description	Example
<b>X-ring enable</b>	<b>G</b>	Enable X-ring	switch(config)#Xring enable
<b>X-ring master</b>	<b>G</b>	Enable ring master	switch(config)#Xring master
<b>X-ring couplering</b>	<b>G</b>	Enable couple ring	switch(config)#Xring couplering
<b>X-ring dualhoming</b>	<b>G</b>	Enable dual homing	switch(config)#Xring dualhoming
<b>X-ring ringport</b> [1st Ring Port] [2nd Ring Port]	<b>G</b>	Configure 1st/2nd Ring Port	switch(config)#Xring ringport 7 8
<b>X-ring couplingport</b> [Coupling Port]	<b>G</b>	Configure Coupling Port	switch(config)#Xring couplingport 1
<b>X-ring controlport</b> [Control Port]	<b>G</b>	Configure Control Port	switch(config)#Xring controlport 2
<b>X-ring homingport</b> [Dual Homing Port]	<b>G</b>	Configure Dual Homing Port	switch(config)#Xring homingport 3
<b>show X-ring</b>	<b>P</b>	Show the information of X - Ring	switch#show Xring
<b>no X-ring</b>	<b>G</b>	Disable X-ring	switch(config)#no X ring
<b>no X-ring master</b>	<b>G</b>	Disable ring master	switch(config)# no Xring master
<b>no X-ring couplering</b>	<b>G</b>	Disable couple ring	switch(config)# no Xring couplering
<b>no X-ring dualhoming</b>	<b>G</b>	Disable dual homing	switch(config)# no Xring dualhoming

