

Command-Line Switches Manual										
Explanation	1. The * indicates the presence of the current mode and a high mode than the current lev3. (x y ...) represent from two or more of the options mu5. Underlined command line arguments (command section must be repla 2. √ indicates the presence of only the selected mode command. 4. <x - y> represents the range from x to y. 6. commands and keywords in bold (command remains unchanged, the ir									
functional module	command	Command Description	user grade	neral mode	uConfig mode	Config mode	Inter mode	ACL In mode	Address pool mode	
Global Management										
	configure terminal	Enter the global configuration mode	*	√						
	exit	Fall back on a pattern	*	*						
	end	The end of the current mode, enter privileged mode	*	*						
	quit	Fall back on a pattern	*	*						
	help	Print Help	*	*						
	show history	Input history display	*	*						
	clear	Clear the screen	*	*						
	list	View the current list of available command line mode	*	*						
User Management										
	who	View the current logged in user	4	√	√					
	user add name NAME password PASSWORD level <1-4> state (enable disable)	Add Device Users	1		√					
	user add name NAME password PASSWORD level <1-4>	Add Device Users	1		√					
	user add name NAME password PASSWORD	Add Device Users	1		√					
	no user name NAME	delete users	1		√					
	user set name NAME password PASSWORD	Set user password	1		√					
	user set name NAME rename NAME	Rename	1		√					
	user set name NAME level <1-4>	Set user level (admin user level can not be changed)	1		√					
	user set name NAME description.	Set user Description	1		√					
System Management	user set name NAME state (enable disable)	Set user status	1		√					
	user set id <0-15> name NAME password PASSWORD level <1-4> state (enable disable)	Adding a user equipment (added as ID)	1		√					
	show user	View user information	4	√	√					
	save	Save the configuration to Flash	2	√	√	√	√			
	restore factoryDefault	reset	1	√	√	√	√			
	reboot	Restart	4	√	√	√	√			
	show system	View system information and operational status	4	√	√	√	√			
	show time	Check System Time	4	√	√					
	show timeZoneList	When you view a list of area	4	√	√					
	time date DATE time TIME	Set the system time	2		√					
	time timeZone ZONEID	Set the time zone	2		√					
	show ntp	View ntp	4	√	√					
	ntp enable	Enable ntp	2		√					
	no ntp	Prohibit ntp	2		√					
	ntp serverIp ABCD	Set ntp server Ip	2		√					
	ntp serverIp ABCD interval <10-43200>	Set the interval	2		√					
	ntp mode (unicastOnly multicastOnly broadcastOnly unicastMulticast unicastBroadcast multicastBroadcast unicastMulticastBroadcast)	Set NTP synchronization mode	2		√					
	ntp sync	NTP Synchronization	2		√					
	show runningConfig	View the running configuration	4	√	√					
	show startupConfig	View startup configuration	4	√	√					
	timeout (console telnet ssh web) <1-30>	Set the appropriate timeout (min)	2		√					
	show timeout	Check the configuration timeout	4	√	√					

System Log	show syslog	Check the system log	4	√	√				
	syslog enable	Enable system log	2		√				
	no syslog	Prohibit the system log	2		√				
	syslog console enable level <0-7>	Set the output to the serial port of the log level	2		√				
	syslog cache enable level <0-7>	Set the output to the log level cache file	2		√				
	no syslog console	Disable output to the serial port	2		√				
	no syslog cache	Disables the output to a cache file	2		√				
	syslog host ABCD level <0-7>	Set in the remote log server log level	2		√				
	syslog host ABCD port (514 <1024-65534>)	Set port of the remote log server	2		√				
	no syslog host ABCD	Prohibit remote server	2		√				
	show syslog messages	View the contents of the system log	4	√	√				
	clear syslog messages	Clear system log	1		√				
Port Management	interface PORTLIST poe (enable disable)	Open or close the port POE	2		√				
	show interface PORTLIST poe status	POE view the port status	2		√				
	clear interface PORTLIST poe events	Clear port poe event information	2		√				
	show interface PORTLIST poe status	POE view the port status	2		√				
	current	View the current mode configured port	4			√			
	interface PORTLIST	Enter interface configuration mode	2		√	√			
	show interface PORTLIST brief	Check port configuration information	4	√	√	√			
	show brief	Check port configuration information	4			√			
	clear interface PORTLIST statistics	Clear port statistics (cpu)	2		√	√			
	show statistics	View port statistics (cpu)	4			√			
	show interface PORTLIST statistics	View port statistics (cpu)	4	√	√	√			
	duplex (auto half full)	An interface duplex mode	2			√			
	interface PORTLIST duplex (auto half full)	An interface duplex mode	2		√	√			
	flowControl (on off)	The 802.3x flow control function to enable or disable the interface	2			√			
	interface PORTLIST flowControl (on off)	The 802.3x flow control function to enable or disable the interface	2		√	√			
	interface PORTLIST speed (auto 10 100 1000)	Set port speed	2		√	√			
	speed (auto 10 100 1000)	Configuration interface rate	2			√			
	fiberMode (auto 100 1000)	A light port in port mode (auto-negotiation, 100M, 1000M)	2			√			
	interface PORTLIST fiberMode (auto 100 1000)	pecified ports optical interface mode (auto negotiation, 100M, 1000M)	2			√			
	shutdown	Prohibit physical interface work	2			√			
	no shutdown	Enable Physical Interface	2			√			
Port Mirroring	mirror enable	Enable port mirroring	3			√			
	no mirror	Disable port mirroring	3			√			
	mirror destPort PORT	Setting the destination port	3		√				
	mirror sourcePortlist add (both ingress egress) PORTLIST	Add the source port	3		√				
	mirror sourcePortlist set (both ingress egress) PORTLIST	Setting a mirroring port	3		√				
	no mirror sourcePortlist (both ingress egress) PORTLIST	Clear mirroring source port list	3		√				
	show mirror	Set Interface mirroring situation View	4	√	√	√			
Storm Control	show interface PORTLIST stormFilter	Display configuration information corresponding port broadcast storm	4	√	√	√			
	show stormFilter	Display port configuration information broadcast storm	4			√			
	interface PORTLIST stormFilter (all unknownUnicast unknownMulticast broadcast) rate <16-1000000>	he interface to a broadcast storm rate <kbps> (provided simultaneous	3		√	√			
	no interface PORTLIST stormFilter (all unknownUnicast unknownMulticast broadcast)	Disable the corresponding function interfaces broadcast storm	3		√	√			
	no stormFilter (all unknownUnicast unknownMulticast broadcast)	Disable the corresponding function interfaces broadcast storm	3			√			
	stormFilter (all unknownUnicast unknownMulticast broadcast) rate <16-1000000>	he interface to a broadcast storm rate <kbps> (provided simultaneous	3			√			
	fdh clear (dynamic static all)	Clear entry device mac address table (dynamic static all)	2			√			

FDB management	no clear {dynamic static all}	Clear entry device mac address table {dynamic static all}	3		√				
	fdb agingTime <1-86400>	Time of dynamic configuration of the device mac address entries {aging}	3		√				
	no fdb agingTime	Restore the default (default is 300 seconds)	3		√				
	fdb agingTime disable	Prohibit fdb aging	3		√				
	interface PORTLIST fdb learnAbility amount <1-8192>	Enable the learning function, learning and set the interface threshold	3		√	√			
	interface PORTLIST fdb learnAbility disable	Close Interface learning	3		√	√			
	fdb learnAbility amount <1-8192>	Enable the learning function, learning and set the interface threshold	3			√			
	fdb learnAbility disable	Close Interface learning	3			√			
	no interface PORTLIST fdb learnAbility	Restore the interface learning state (default state)	3		√	√			
	no fdb learnAbility	Restore the interface learning state (default state)	3			√			
	show interface PORTLIST fdb learningAbility	View mac address learning configuration status	4	√	√	√			
	show fdb learningAbility	View mac address learning configuration status	3			√			
	fdb unicastStatic mac MAC vlan <1-4094> port PORT	Create a static mac address entries (unicast)	3		√				
	fdb multicastStatic mac MAC vlan <1-4094> portList PORTLIST	Create a static address entry mac (multicast)	3		√				
	no fdb unicastStatic mac MAC vlan <1-4094>	Delete mac address entries (unicast)	3		√				
	no fdb multicastStatic mac MAC vlan <1-4094>	Delete mac address entries (multicast)	3		√				
	no fdb multicastTable mac MAC vlan <1-4094>	Delete mac address entries (multicast)	3		√				
	no fdb unicastTable mac MAC vlan <1-4094>	Delete mac address entries (unicast)	3		√				
	show fdb agingTime	View forwarding aging time	4	√	√	√			
	show fdb unicastStatic	View static mac address entries (unicast)	4	√	√	√			
	show fdb unicastStatic vlan <1-4094>	View static mac address entries (unicast)	4	√	√	√			
	show fdb unicastStatic port PORT	View static mac address entries (unicast)	4	√	√	√			
	show fdb unicastStatic vlan <1-4094> port PORT	View static mac address entries (unicast)	4	√	√	√			
	show fdb unicastTable (all dynamic static)	View mac address entries (unicast)	4	√	√	√			
	show fdb unicastTable (all dynamic static) vlan <1-4094>	View mac address entries (unicast)	4	√	√	√			
	show fdb unicastTable (all dynamic static) port PORT	View mac address entries (unicast)	4	√	√	√			
	show fdb unicastTable (all dynamic static) vlan <1-4094> port PORT	View mac address entries (unicast)	4	√	√	√			
	show fdb multicastStatic	View static mac address entries (multicast)	4	√	√	√			
	show fdb multicastStatic vlan <1-4094>	View static mac address entries (multicast)	4	√	√	√			
	show fdb multicastTable	View mac address entries (multicast)	4	√	√	√			
	show fdb multicastTable vlan <1-4094>	View mac address entries (multicast)	4	√	√	√			
VLAN management	vlan VLANLIST	Create a VLAN	2		√				
	vlan VLANLIST name NAME	Create a VLAN and name	2		√				
	no vlan VLANLIST	Removing a VLAN	2		√				
	show vlan	See all the created VLAN	4	√	√	√			
	show vlan VLANLIST	Detailed display port member of the specified VLAN information	4	√	√	√			
	show vlan all	Detailed display all VLAN port membership information	4	√	√	√			
	show interface PORTLIST switchport	Display interface specified VLAN configuration information	4	√	√	√			
	show switchport	VLAN configuration information display current configuration interface	4			√			
	switchport pvid <1-4094>	Configuring the current port PVID	2			√			
	interface PORTLIST switchport pvid <1-4094>	Configure the specified port PVID	2		√	√			
	switchport mode (access trunk hybrid)	Configure the current port mode	2			√			
	interface PORTLIST switchport mode (access trunk hybrid)	Designated port configuration mode	2		√	√			
	switchport trunk permittedVlan all	Configure the trunk port allows all through to true vlan	2			√			
	interface PORTLIST switchport trunk taggedVlan permitAll	Configuring designated trunk port as true by allowing all vlan	2		√	√			
	no switchport trunk permittedVlan	Delete all the currently permitted vlan trunk port	2			√			
	no interface PORTLIST switchport trunk permittedVlan	Delete the specified trunk ports all permitted vlan	2		√	√			
	no switchport hybrid (taggedVlan untaggedVlan)	Delete all current or tagged-vlan untagged-vlan hybrid port	2			√			
	no interface PORTLIST switchport hybrid (taggedVlan untaggedVlan)	Delete the specified hybrid port all tagged-vlan or untagged-vlan	2		√	√			
	switchport hybrid (taggedVlan untaggedVlan) VLANLIST	Configure the tagged-vlan or untagged-vlan hybrid port	2			√			

	switchport hybrid (taggedVlan untaggedVlan) add VLANLIST	Increasing the current or tagged-vlan untagged-vlan hybrid port	2			√			
	switchport hybrid (taggedVlan untaggedVlan) remove VLANLIST	Delete the current or tagged-vlan untagged-vlan hybrid port	2			√			
	interface PORTLIST switchport hybrid (taggedVlan untaggedVlan) VLANLIST	Hybrid port configuration specifies tagged-vlan or untagged-vlan	2		√	√			
	interface PORTLIST switchport hybrid (taggedVlan untaggedVlan) add VLANLIST	Adds the specified hybrid port tagged-vlan or untagged-vlan	2		√	√			
	interface PORTLIST switchport hybrid (taggedVlan untaggedVlan) remove VLANLIST	Delete the specified port hybrid tagged-vlan or untagged-vlan	2		√	√			
	switchport trunk permittedVlan VLANLIST	The current configuration permitted vlan trunk port	2			√			
	switchport trunk permittedVlan add VLANLIST	The current increase in permitted vlan trunk port	2			√			
	switchport trunk permittedVlan remove VLANLIST	Delete the currently permitted vlan trunk port	2			√			
	interface PORTLIST switchport trunk permittedVlan VLANLIST	Configure the specified trunk port permitted vlan	2		√	√			
	interface PORTLIST switchport trunk permittedVlan add VLANLIST	Adds the specified trunk ports permitted vlan	2		√	√			
	interface PORTLIST switchport trunk permittedVlan remove VLANLIST	Delete the specified trunk ports permitted vlan	2		√	√			
QOS management									
	qos mapping dot1p <0-7> to priority <0-7>	Configuring DOT1P to local priority mapping information	2			√			
	no qos mapping dot1p	DOT1P to restore local priority mapping information to the default state	2			√			
	qos mapping dscp <0-63> to priority <0-7>	Configuring DSCP-to-local priority mapping information	2			√			
	no qos mapping dscp	DSCP priority to restore local mapping information to the default state	2			√			
	qos mapping priority <0-7> to queue <0-7>	Local priority queue to configure the mapping information	2			√			
	no qos mapping priority	Local priority queue to resume mapping information to the default state	2			√			
	show qos mapping dot1p	View DOT1P to local priority mapping information	4	√	√	√			
	show qos mapping dscp	View DSCP mapping information to local priorities	4	√	√	√			
	show qos mapping priority	Check local priority queue mapping information	4	√	√	√			
	interface PORTLIST priority <0-7>	Set port priority	2			√	√		
	no interface PORTLIST priority	Restore the default port priority status	2			√	√		
	priority <0-7>	Port priority setting (interface view)	2				√		
	no priority	Recovery default port priority (interface view)	2				√		
	interface PORTLIST qos policy (cos dscp cosDscp)	Configure QOS Policy	2			√	√		
	qos policy (cos dscp cosdscp)	Configure QOS Policy	2				√		
	no interface PORTLIST qos policy	Prohibit qos policy	2			√	√		
	no qos policy	Prohibit qos policy	2				√		
	interface PORTLIST qos scheduleMode (sp wrr wfq)	An interface queue scheduling mode	2			√	√		
	no interface PORTLIST qos scheduleMode	Recovery default queue scheduling mode	2			√	√		
	qos scheduleMode (sp wrr wfq)	An interface queue scheduling mode (interface view)	2				√		
	no qos scheduleMode	Recovery default queue scheduling mode (interface view)	2				√		
	interface PORTLIST qos weights <0-127> <0-127> <0-127> <0-127> <0-127> <0-127> <0-127> <0-127>	Weight assigned for the queue	2			√	√		
	no interface PORTLIST qos weights	Resume queue weights assigned to the default state	2			√	√		
	qos weights <0-127> <0-127> <0-127> <0-127> <0-127> <0-127> <0-127> <0-127>	Queue assigned a weight (interface view)	2				√		
	no qos weights	Recovery queue weights assigned to the default state (interface view)	2				√		
	interface PORTLIST rateLimit (both ingress egress) rate <16-1000000>	Configuring speed interface	2			√	√		
	no interface PORTLIST rateLimit (both ingress egress)	Delete speed limit rule	2			√	√		
	rateLimit (both ingress egress) rate <16-1000000>	Configuring speed interface (interface view)	2				√		
	no rateLimit (both ingress egress)	Delete speed limit rule (interface view)	2				√		
	show qos (priority policy schedule)	View qos information	4				√		
	show rateLimit	View the current speed limit information port	4				√		
	show interface PORTLIST rateLimit	Check the speed limit specified port	4	√	√	√			
	show qos	View all qos information	4				√		
	show interface PORTLIST qos	View all qos information	4	√	√	√			
	show interface PORTLIST qos (priority policy schedule)	View qos partial information	4	√	√	√			
	show acl all	View all acl	4	√	√				
	show acl index INDEXLIST	View acl specified index of	4	√	√				

ACL management	show acl name NAME	Check the specified name acl	4	√	√				
	show group	View the current group	4					√	
	show rule	See all under the rule of a group	2					√	
	show rule RULELIST	View rule specifies the index at a certain group	2					√	
	acl index INDEX	ACL view by specifying the group index	2		√			√	
	acl name NAME	ACL view by specifying the group name	2		√			√	
	ports set PORTLIST	Binding an acl group to the specified port	2					√	
	ports add PORTLIST	An increase port acl group bound	2					√	
	ports del PORTLIST	To delete a port acl group bound	2					√	
	no ports	Remove the binding port	3					√	
	name NAME	The same name as a group name	2					√	
	acl index INDEX name NAME	Add a group named NAME	2		√				
	rule set <0-65535> action (drop permit)	Set the rule to drop the operation / allow	2					√	
	rule set <0-65535> action redirect PORT	Action set rules to redirect to a port	2					√	
	rule set <0-65535> match (srcMac dstMac) (any MAC [mask MAC])	Set the rule source / destination MAC matches	2					√	
	rule set <0-65535> match (srcIpV4 dstIpV4) (any ABCD [mask ABCD])	Source / destination IP address matches the rule	2					√	
	rule set <0-65535> match (srcIpPort dstIpPort) (any PORT)	Set the rule source / destination IP port match	2					√	
	rule set <0-65535> match ipProtocol (igmp icmp tcp udp)	IP protocol set rules matches	2					√	
	rule set <0-65535> match vlan (any <1-4094>)	Set rules match vlan	2					√	
	rule set <0-65535> match etherType (any TYPE)	Ethernet type setting matches the rule	2					√	
	rule del RULELIST	Delete the specified rule of a group of	2					√	
	rule del RULELIST match (srcMac dstMac srcIpV4 dstIpV4 srcIpPort dstIpPort ipProtocol etherType vlan)	Delete a group specified in the specified match rule	2					√	
IP interface	no acl all	Delete all acl	2		√				
	no acl index INDEXLIST	Delete the specified index of acl	2		√				
	no acl name NAME	Delete the specified name acl	2		√				
	ipInterface IPIFNAME address ABCD / M vlan <1-4094>	Creating interfaces	2		√				
	ipInterface IPIFNAME	Enter the corresponding interface configuration mode Interface Layer	2		√		√		
	no ipInterface address ABCD / M	Delete Layer Interface	2		√		√		
	no ipInterface IPIFNAME	Delete Layer Interface	2		√		√		
	show ipInterface	View all Layer Interface Configuration	4	√	√		√		
	address ABCD / M	Modify the ip address of the current interface	2				√		
	vlan <1-4094>	Modifying the current management interface vlan	2				√		
	show dhcpClient	Displays status information of the DHCP client	4	√	√		√		
	dhcpClient enable	Enable DHCP Client	2				√		
	no dhcpClient	Disable DHCP client	2				√		
Routing Table	dhcpClient renew	Reconfigure DHCP client	2				√		
	dhcpClient release	Release the DHCP client (default configuration is set to 0.0.0.0)	2				√		
	show arp	Check the ARP table	4	√	√				
	show route	View system routing table	4	√	√				
	show staticRoute	View the system static routing table	4	√	√				
	route add default gateway ABCD	Add the default gateway	2		√				
	route set default gateway ABCD	Set the default gateway	2		√				
	route add network ABCD / M gateway ABCD	Add routing entries	2		√				
	route set network ABCD / M gateway ABCD	Setting routing entries	2		√				
	route set network ABCD / M metric <0-9999>	Set the routing metric	2		√				
	route set default metric <0-9999>	Set the default routing metric	2		√				
	no route default	Delete the default route	2		√				

	no route network ABCD / M	Delete route entry	2		√				
Link Aggregation									
	linkAggregation group <1-8> mode (manual static)	Creating aggregation	2		√				
	no linkAggregation group <1-8>	Delete aggregation	2		√				
	show linkAggregation group <1-8>	Specifies an aggregation group information	4		√				
	show linkAggregation group all	View all aggregation information	4		√				
	linkAggregation group <1-8>	Port aggregation group	2			√			
	interface PORTLIST linkAggregation group <1-8>	Port aggregation group	2		√				
	no linkAggregation group	Aggregation port is removed	2			√			
	no interface PORTLIST linkAggregation group	Aggregation port is removed	2		√				
	show lacp	Information display lacp port	4			√			
	show interface PORTLIST lacp	Information display lacp port	4		√				
	lacp (enable disable)	Enable port lacp agreement	2			√			
	interface PORTLIST lacp (enable disable)	Enable port lacp agreement	2		√				
	lacp priority <0-65535>	Set the port priority lacp	2			√			
	interface PORTLIST lacp priority <0-65535>	Set the port priority lacp	2		√				
	lacp adminKey <0-65535>	Setting port admin key	2			√			
	interface PORTLIST lacp adminKey <0-65535>	Setting port admin key	2		√				
	lacp activeMode (active passive)	Set port active mode	2			√			
	interface PORTLIST lacp activeMode (active passive)	Set port active mode	2		√				
	show linkAggregation system	Display lacp system information	4		√				
	linkAggregation systemPriority <0-65535>	Set the system priority lacp	2		√				
	linkAggregation algorithm ALGORITHM	Set lacp system load sharing	2		√				
SNMP									
	show snmp	Display SNMP configuration	4	√	√				
	no snmp	Close SNMP	3		√				
	no snmp trap	Close SNMP TRAP	3		√				
	snmp enable	Start SNMP	3		√				
	snmp trap enable	Open SNMP TRAP	3		√				
	snmp sysname NAME	Setting SNMP System Name	3		√				
	snmp syslocation LOCATION	Setting SNMP system location	3		√				
	snmp syscontact CONTACT	Setting SNMP System Information	3		√				
	snmp community add NAME type (readOnly readWrite)	Increase SNMP community	3		√				
	snmp community del <3-8>	Delete SNMP community	3		√				
	snmp community set <1-2> NAME	Modify SNMP Community	3		√				
	snmp community set <3-8> NAME type (readOnly readWrite)	Modify SNMP Community	3		√				
	snmp port <1-65535>	Setting SNMP port	3		√				
	snmp trap add host ABCD port <1-65535> community NAME	Increase the SNMP trap server	3		√				
	snmp trap del <2-4>	Delete SNMP trap server	3		√				
	snmp trap set <1-4> host ABCD port <1-65535> community NAME	Modify SNMP trap server	3		√				
	snmp trap defaultCommunity NAME	Set the default SNMP trap community	3		√				
	snmp trap authfaild (enable disable)	Enable or disable the sending of SNMP authentication failure TRAP	3		√				
ALARM									
	show alarm (settings relay light trap)	Display the configuration of the alarm	4	√	√				
	alarm powerDown (power1 power2) (enable disable)	Turn off the alarm or power specified	3		√				
	alarm temperature threshold (high low) TEMP	Configuring upper or lower temperature alarm	3		√				
	alarm snmpTrap (powerDown highTemperature lowTemperature) (enable disable)	Turn on or off specific module trap function	3		√				
	alarm snmpTrap (linkDown linkUp) interface PORTLIST (enable disable)	Open or close the specified port link up or link down trap function	3		√				
	alarm light (powerDown highTemperature lowTemperature) (enable disable)	Specific module on or off the warning light	3		√				
	alarm light (linkDown linkUp) interface PORTLIST (enable disable)	Opening or closing a port link up to link down, or warning lights	3		√				
	alarm relay (powerDown highTemperature lowTemperature) (enable disable)	Specific module on or off relay alarm	3		√				

	alarm relay (linkDown linkUp) interface PORTLIST (enable disable)	Open or close the relay alarm port link up or link down of	3		√				
ERPS									
	erps majorRing RINGID eastPort PORT westPort PORT protocolVlan VLANID nodeType rplOwner rpl (east west)	Creating a master node type is a ring RPL-owner							
	erps majorRing RINGID eastPort PORT westPort PORT protocolVlan VLANID nodeType rplNeighbour rpl (east west)	Creating a master node type is a ring RPL-neighbour	2		√				
	erps majorRing RINGID eastPort PORT westPort PORT protocolVlan VLANID nodeType transfer	Create a primary ring node type of the transfer	2		√				
	erps subRing RINGID eastPort PORT westPort PORT protocolVlan VLANID nodeType rplOwner rpl (east west)	Create a node type is a ring of sub RPL-owner	2		√				
	erps subRing RINGID eastPort PORT westPort PORT protocolVlan VLANID nodeType rplNeighbour rpl (east west)	Create a node type of the child ring RPL-neighbour	2		√				
	erps subRing RINGID eastPort PORT westPort PORT protocolVlan VLANID nodeType transfer	Create a node type for the child's transfer ring	2		√				
	erps subRing RINGID (eastPort westPort) PORTID protocolVlan VLANID nodeType (transfer rplOwner rplNeighbour) majorRing RINGID	Create a sub-ring on the intersection node	2		√				
	no erps ring RINGID	Delete a ring	2		√				
	erps ring RINGID forceSwitch (east west)	Forced Switch Ring Configuration	2		√				
	erps ring RINGID manualSwitch (east west)	Ring configuration manually switchover	2		√				
	erps ring RINGID clear command	Clear and manual forced switching on the ring switch command	2		√				
	erps ring RINGID wtrTime VALUE	Configuring the WTR timer	2		√				
	erps ring RINGID guardTime VALUE	Configuration GUARD timers	2		√				
	erps ring RINGID holdoffTime VALUE	Configuration HoldOff timer	2		√				
	show erps ring RINGID brief	Displays the ring configuration information	4		√				
	show erps ring all brief	Show all ring configuration information	4		√				
	show erps ring RINGID status	Displays the loop operation information	4		√				
	show erps ring all status	Display all information loop operation	4		√				
802.1X									
	dot1x enable	Enabling Global / 802.1x Interface	3		√	√			
	no dot1x	Disable global / 802.1x Interface	3		√	√			
	dot1x (reauth quiet) enable	Enable re-authentication / silent function	3		√				
	no dot1x (reauth quiet)	Prohibit the re-authentication / silent function	3		√				
	dot1x method (eap pap chap)	Set the 802.1x authentication method	3		√				
	dot1x timer (txPeriod serverTimeout suppTimeout) <1-120>	Set to send packets / server / client timeout timer	3		√				
	dot1x timer reauthPeriod <60-7200>	Set the re-authentication period	3		√				
	dot1x timer quietPeriod <10-3600>	Setting quiet periods	3		√				
	radiusServer host ABCD	Set Radius authentication server IP address	3		√				
	radiusServer port <1-65535>	Set Radius authentication server port	3		√				
	radiusServer key KEY	Set Radius authentication server shared key	3		√				
	dot1x control (auto forceAuthorized forceUnauthorized)	Sets the current interface to the access control	3			√			
	dot1x mode (portbased macbased)	Set the current interface authentication mode	3			√			
	dot1x suppHost <1-8>	Sets the current interface to host the largest number of support	3			√			
	show dot1x global	View 802.1x Global Configuration	4		√	√			
	show radiusServer	View Radius authentication server configuration	4		√	√			
	show dot1x	View the current interface configuration and 802.1x authentication client	4			√			
	interface PORTLIST dot1x enable	To specify the interface 802.1x function	3		√	√			
	no interface PORTLIST dot1x	Prohibit specified interface 802.1x function	3		√	√			
	interface PORTLIST dot1x control (auto forceAuthorized forceUnauthorized)	Mode setting specifies the interface access control	3		√	√			
	interface PORTLIST dot1x mode (portbased macbased)	Setting specifies the interface authentication mode	3		√	√			
	interface PORTLIST dot1x supp-host <1-8>	Setting specifies the maximum number of host interfaces support	3		√	√			
	show interface PORTLIST dot1x	Check the specified interface and configure 802.1x authentication client	4		√	√			
	show lldp	View LLDP global configuration information	4		√				
	lldp (enable disable)	Enable or disable LLDP	3		√				
	lldp transmitInterval <5-32768>	Set the transmission cycle	3		√				

LLDP

lldp holdMultiplier <2-10>	Set the aging factor neighbors	3		√				
lldp reinitDelay <1-10>	Set the restart delay time	3		√				
lldp trapInterval <5-3600>	Set alarm cycle	3		√				
lldp creditNum <1-100>	Set sending credit	3		√				
lldp fastInterval <1-3600>	Quick set the transmission cycle	3		√				
lldp fastNum <1-8>	Quick set the number of transmission	3		√				
lldp destMac MAC adminStatus (rx tx rtx disable)	Port administrative state (only accept Send only accepts delivery pr	3			√			
no lldp destMac MAC adminStatus	Port Management recover the default state (disabled)	3			√			
lldp destMac MAC transmitInterval <5-32768>	Set the transmission cycle of port	3			√			
no lldp destMac MAC transmitInterval	Send period restore the default port	3			√			
lldp destMac MAC holdMultiplier <2-10>	Set port neighbor aging factor	3			√			
no lldp destMac MAC holdMultiplier	Restore the default port neighbor aging factor	3			√			
lldp destMac MAC reinitDelay <1-10>	Set the port restart delay time	3			√			
no lldp destMac MAC reinitDelay	Restore the default port restart delay time	3			√			
lldp destMac MAC trapInterval <5-3600>	Set port alarm cycle	3			√			
no lldp destMac MAC trapInterval	Restore the default port alarm cycle	3			√			
lldp destMac MAC creditNum <1-100>	Set port to send credit	3			√			
no lldp destMac MAC creditNum	Restore the default port to send credit	3			√			
lldp destMac MAC fastInterval <1-3600>	Set the port quickly send cycle	3			√			
no lldp destMac MAC fastInterval	Restore the default port quickly send cycle	3			√			
lldp destMac MAC fastNum <1-8>	Set the number of ports quickly send	3			√			
no lldp destMac MAC fastNum	Fast recovery amount sent to the default port	3			√			
lldp destMac MAC trapEnable (enable disable)	Set the alarm enable port	3			√			
no lldp destMac MAC trapEnable	Restore port alarm is enabled as a default (prohibited)	3			√			
lldp destMac MAC tlvEnable (portDescription systemName systemDescription systemCapabilities)	Add Port TLVs transmit enable	3			√			
no lldp destMac MAC tlvEnable (portDescription systemName systemDescription systemCapabilities)	Delete transmit enable port TLVs	3				√		
show lldp destMac MAC config	View LLDP Port Configuration	4			√			
interface PORTLIST lldp destMac MAC adminStatus (rx tx rtx disable)	Port administrative state (only accept Send only accepts delivery pr	3		√	√			
no interface PORTLIST lldp destMac MAC adminStatus	Port Management recover the default state (disabled)	3		√	√			
interface PORTLIST lldp destMac MAC transmitInterval <5-32768>	Set the transmission cycle of port	3		√	√			
no interface PORTLIST lldp destMac MAC transmitInterval	Send period restore the default port	3		√	√			
interface PORTLIST lldp destMac MAC holdMultiplier <2-10>	Set port neighbor aging factor	3		√	√			
no interface PORTLIST lldp destMac MAC holdMultiplier	Restore the default port neighbor aging factor	3		√	√			
interface PORTLIST lldp destMac MAC reinitDelay <1-10>	Set the port restart delay time	3		√	√			
no interface PORTLIST lldp destMac MAC reinitDelay	Restore the default port restart delay time	3		√	√			
interface PORTLIST lldp destMac MAC trapInterval <5-3600>	Set port alarm cycle	3		√	√			
no interface PORTLIST lldp destMac MAC trapInterval	Restore the default port alarm cycle	3		√	√			
interface PORTLIST lldp destMac MAC creditNum <1-100>	Set port to send credit	3		√	√			
no interface PORTLIST lldp destMac MAC creditNum	Restore the default port to send credit	3		√	√			
interface PORTLIST lldp destMac MAC fastInterval <1-3600>	Set the port quickly send cycle	3		√	√			
no interface PORTLIST lldp destMac MAC fastInterval	Restore the default port quickly send cycle	3		√	√			
interface PORTLIST lldp destMac MAC fastNum <1-8>	Set the number of ports quickly send	3		√	√			
no interface PORTLIST lldp destMac MAC fastNum	Fast recovery amount sent to the default port	3		√	√			
interface PORTLIST lldp destMac MAC trapEnable (enable disable)	Set the alarm enable port	3		√	√			
no interface PORTLIST lldp destMac MAC trapEnable	Restore port alarm is enabled as a default (prohibited)	3		√	√			
interface PORTLIST lldp destMac MAC tlvEnable (portDescription systemName systemDescription systemCapabilities)	Add Port TLVs transmit enable	3		√	√			
no interface PORTLIST lldp destMac MAC tlvEnable (portDescription systemName systemDescription systemCapabilities)	Delete transmit enable port TLVs	3		√	√			
show interface PORTLIST lldp destMac MAC config	View lldp local information system	4		√	√			
show interface PORTLIST lldp destMac MAC remoteSystem	View lldp port remote system information	4		√	√			

	show lldp remoteSystem	View all remote system information lldp	4		√				
	show lldp localSystem	View lldp local information system	4		√				
GMRP									
	gmrp enable	Open GMRP function	3		√				
	no gmrp	Close GMRP function	3		√				
	gmrp (holdTime joinTime leaveTime leaveallTime) <100-32760>	Configuring GMRP timer	3		√				
	interface PORTLIST gmrp portMode (normal fixed forbidden)	Setting GMRP mode specified port	3		√				
	gmrp portMode (normal fixed forbidden)	Set Port GMRP Mode	3			√			
	show gmrp global	Display of global information gmrp	4		√				
GVRP	show gmrp portConfig	GMRP display port configuration information	4			√			
	show interface PORTLIST gmrp portConfig	GMRP display configuration information for the specified port	3		√				
	gvrp enable	Enable GVRP	3		√				
	no gvrp	Disable GVRP	3		√				
	gvrp (holdTime joinTime leaveTime leaveallTime) <100-32760>	Configuring GVRP Timers	3		√				
	interface PORTLIST gvrp portMode (normal fixed forbidden)	Set GVRP mode specified port	3		√				
STP / RSTP	gmrp portMode (normal fixed forbidden)	Set Port GMRP Mode	3			√			
	show gvrp global	Display the global GVRP of information	4		√				
	show gvrp portConfig	Displays GVRP port configuration information	4			√			
	show interface PORTLIST gvrp portConfig	Displays GVRP configuration information for the specified port	3		√				
	show stp	View STP global information	3		√				
	show interface PORTLIST stp (detail brief)	Check the specified port STP details or summary information	3		√	√			
	show stp (detail brief)	(Port view) port or summary information details STP	3			√			
	show interface PORTLIST stp	View brief information about the specified port STP	3		√	√			
	show stp	(Interface view) to view brief information about the specified port STP	3			√			
	stp priority PRI	Set STP bridge priority	3		√				
	stp forwardDelay FWD	Set the port state transition delay	3		√				
	stp helloTime TIME	Setting BPDU packet transmission interval,	3		√				
	stp txLimit LIMIT	Setting the maximum number of transmission per second BPDU	3		√				
	stp maxAge AGE	Set BPDU maximum survival time	3		√				
LOOPBACK	interface PORTLIST stp (enable disable)	Enabling STP port	3		√	√			
	stp (enable disable)	Enable the STP port (port mode)	3			√			
	interface PORTLIST stp priority PRI	Set the STP priority	3		√	√			
	stp priority PRI	STP port priority setting (port mode)	3			√			
	interface PORTLIST stp pathCost (PATH auto)	Set the path cost	3		√	√			
	stp pathCost (PATH auto)	Setting the path cost (the port mode)	3			√			
	show loopback	View current loop port information	3			√			
	show interface PORTLIST loopback	Check the specified port loop information	3		√	√			
	loopback detectionTime <1-32767>	Set global loop detection cycle	3		√				
	loopback resumeTime <10-65535>	Set the global loop recovery time	3		√				
	loopback enable	Enable the current port loop detection function	3			√			
	no loopback	Prohibit the current port loop detection	3			√			
	loopback operate (block shutdown)	Set Port Loop current action	3			√			
	loopback resume	Manually restore the current port	3			√			
	loopback resumeMode (automation manual)	Set the current loop recovery mode	3			√			
	interface PORTLIST loopback enable	To specify the loop detection port	3		√				
	no interface PORTLIST loopback	Disabling the port loop detection	3		√				
	interface PORTLIST loopback operate (block shutdown)	Configure the port loop action	3		√				
	interface PORTLIST loopback resume	Manually restore the specified port	3		√				
	interface PORTLIST loopback resumeMode (automation manual)	Configure the port loop recovery mode	3		√				

	Interface Port List Loopback Resume Mode (Automation Manual)	Configure the port loop recovery mode	3		√				
DHCP SERVER									
	dhcpServer enable	Enable DHCP server.	3		√				
	dhcpServer disable	Close DHCP server	3		√				
	dhcpServer IPIFNAME enable	Enable IP interface DHCP server function	3		√				
	dhcpServer IPIFNAME disable	Close IP interface DHCP server function	3		√				
	dhcpServer pool create NAME	Create an address pool	3		√				√
	dhcpServer pool enter NAME	Enter the address pool	3		√				√
	no dhcpServer pool NAME	Delete DHCP server address pool	3		√				√
	dhcpServer lease <30-525600>	Set the global DHCP server lease time	3		√				
	no dhcpServer lease	Global recovery DHCP server lease time default	3		√				
	start ABCD end ABCD mask MASK	Set the start IP address, end (the address pool) IP address, mask	3						√
	dns ABCD	Set DNS (the address pool)	3						√
	no dns	(Address pool mode) to restore the default DNS	3						√
	secondaryDns ABCD	Set up a backup DNS (the address pool)	3						√
	no secondaryDns	(The address pool) to restore the default alternate DNS	3						√
	gateway ABCD	Set the gateway (the address pool)	3						√
	no gateway	(Address pool mode) to restore the default gateway	3						√
	lease <30-525600>	Set (the address pool) DHCP server lease time	3						√
	no lease	Restore DHCP server lease time (address pool mode) default	3						√
	staticLease mac XXXXXX-XXXXXX ip ABCD	Add a static lease IP (address pool mode)	3						√
	no staticLease mac XXXXXX-XXXXXX	Delete the static lease (at the address pool mode) IP	3						√
	dhcpServer IPIFNAME pool NAME	Binding to an IP interface address pool	3		√				
	no dhcpServer IPIFNAME pool	Unbind an IP Interface	3		√				
	show dhcpServer pool NAME	View a DHCP server address pool information	4		√				
	show dhcpServer pool all	View all DHCP server address pool information	4		√				
	show pool	View a DHCP server address pool information	4						√
	show dhcpServer	View DHCP server global configuration information	4		√				
	show dhcpServer lease IPIFNAME	View an IP interface DHCP server lease information	4		√		√		
	show dhcpServer lease all	See all DHCP server lease information	4		√				
IGMP SNOOPING	igmpSnooping enable	Global enable igmpsnooping	3		√				
	no igmpSnooping	Prohibit igmpsnooping	3		√				
	igmpSnooping routerPort agingTime <30-300>	Provided router port aging time (unit: seconds)	3		√				
	igmpSnooping hostPort agingTime <60-600>	Set Host Port aging time (unit: seconds)	3		√				
	show igmpSnooping	View igmpsnooping global configuration	4	√	√				
	igmpSnooping vlan VLANLIST	Igmpsnooping within the energy vlan	3		√				
	no igmpSnooping vlan VLANLIST	Igmpsnooping prohibited within vlan	3		√				
	igmpSnooping vlan VLANLIST fastLeave	igmpsnooping within a set vlan to leave the fast mode	3		√				
	no igmpSnooping vlan VLANLIST fastLeave	Igmpsnooping prohibited within a vlan fast leave mode	3		√				
	igmpSnooping vlan VLANLIST staticRouterPort PORTLIST	Set igmpsnooping static routing port in a vlan	3		√				
	no igmpSnooping vlan VLANLIST staticRouterPort PORTLIST	Delete igmpsnooping static routing port in a vlan	3		√				
	igmpSnooping vlan VLANLIST querier enable	Enable Finder	3		√				
	no igmpSnooping vlan VLANLIST querier	Prohibit Finder	3		√				
	igmpSnooping vlan VLANLIST querier interval <30-120>	Setting a query from the query interval (unit: seconds)	3		√				
	igmpSnooping vlan VLANLIST querier sourceIp ABCD	Set the query messages with the source IP	3		√				
	show igmpSnooping vlanConfig VLANLIST	igmpsnooping configuration view in a vlan	4	√	√				
	show igmpSnooping ipGroups vlan VLANLIST	View vlan recorded within IP Group	4	√	√				
	show igmpSnooping ipGroups	View all IP information in the record of the group vlan	4	√	√				
	show igmpSnooping macGroups vlan VLANLIST	View of Record mac vlan group	4	√	√				
	show igmpSnooping macGroups	View information mac groups in all vlan	4	√	√				

DHCP
SNOOPING

dhcpSnooping enable	Enable DHCP snooping	3		√				
dhcpSnooping disable	Close DHCP snooping	3		√				
dhcpSnooping information enable	Enable DHCP snooping information option function (option82)	3		√				
no dhcpSnooping information	Close DHCP snooping information option function (option82)	3		√				
dhcpSnooping information strategy (drop keep replace)	Set forwarding policy	3		√				
dhcpSnooping information circuitId vlanPort	Agent circuit ID, is set VLAN + PORT (HEX)	3		√				
dhcpSnooping information circuitId string STRING	Agent Remote ID string is set (ASCII)	3		√				
dhcpSnooping information remotId (clientMac switchMac)	Remote ID to set the proxy (client mac switch mac)	3		√				
dhcpSnooping information remotId string STRING	Agent Remote ID string is set (ASCII)	3		√				
interface PORTLIST dhcpSnooping trust	Set the port as a trusted port	3		√				
no interface PORTLIST dhcpSnooping trust	Set the port untrusted port	3		√				
dhcpSnooping trust	Set the port as a trusted port	3			√			
no dhcpSnooping trust	Set the port untrusted port	3			√			
interface PORTLIST dhcpSnooping (circuitId remotId) STRING	Port settings (agent circuit ID Agent Remote ID)	3		√				
no interface PORTLIST dhcpSnooping (circuitId remotId)	Recovery port (agent circuit ID Agent Remote ID) to the default state	3		√				
dhcpSnooping (circuitId remotId) STRING	Port settings (agent circuit ID Agent Remote ID)	3			√			
no dhcpSnooping (circuitId remotId)	Recovery port (agent circuit ID Agent Remote ID) to the default state	3			√			
show interface PORTLIST dhcpSnooping	View port DHCP snoopin setting information	4		√				
show dhcpSnooping	View port DHCP snoopin setting information	4			√			
show dhcpSnooping	View global DHCP snooping information	4		√				
show dhcpSnooping binding	View of DHCP snooping binding table	4		√				