SCX CLI...

Command Line Interface (CLI):
Commands for the Smart Camera Box

Data sheet
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1   Description

Command Line Interface (CLI) is a text-based option for switch configuration and diagnostics. You can access the CLI via Telnet or SSH.

To use the CLI, you must first enable it in the web-based management of the Smart Camera Box. To do so, observe the information in the user manual UM EN SCX XPOE...

This document is valid for the following products:
–   SCX 4POE 2LX, 1102626
–   SCX 2POE 2LX, 1108543
–   SCX 4POE 2T, 1108542
–   SCX 2POE 2T, 1108544

> **i** This application note does not replace the device-specific documents. Please follow the safety notes on the associated packing slips and in the user manual.
>
> Make sure you always use the latest documentation.
> It can be downloaded from the product at phoenixcontact.net/products.

2   Table of contents

3 Command Line Interface (CLI)

3.1 Access

The CLI is accessed via a Telnet or SSH connection from a management host, e.g. a PC. You can use the Windows[®] command prompt or the PuTTY freeware tool as an input terminal.

The device requires an IP address and a subnet mask in order to access the CLI. The user manual UM EN SCX XPOE... contains a description of how to configure the parameters.

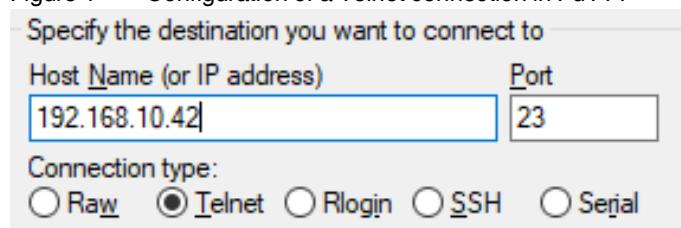Figure 1   Configuration of a Telnet connection in PuTTY
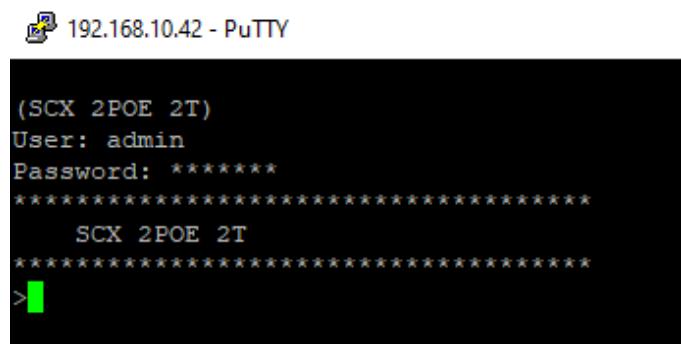
Figure 2   Command terminal in PuTTY

Figure 3   Establishing a Telnet connection via Windows[®] command prompt
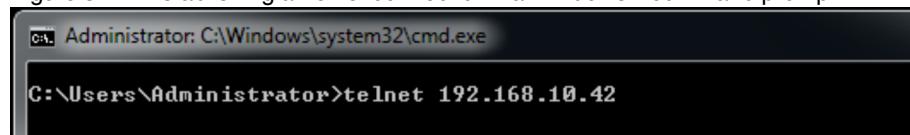
Figure 4   Command terminal in Windows[®] command prompt
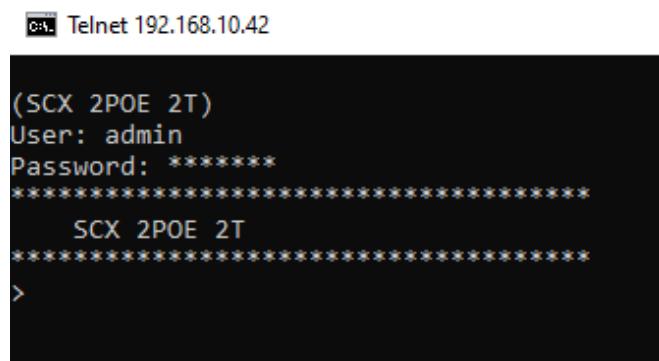
3.2 CLI commands

The parameters of a command may be mandatory, optional, or a selection of values.

Character	Example	Description
< >	<Value>	Mandatory parameters: You must enter the parameter.
[ ]	[Value]	Optional parameters: You can enter the parameter instead of the brackets.
{ }	{choice1 | choice2}	You must select the value from a specific list of values.
|	choice1 | choice2	The hyphen separates mutually exclusive selection options.
[{ }]	[{choice1 | choice2}]	Selection from a list of values within an optional parameter

3.3 Syntax

A command consists of one or more words that can be followed by one or more parameters. The parameters can be mandatory or optional values.

Some commands, e.g., **show network** and **clear**, do not need a parameter. Other commands, e.g., **network parms**, need values after the command name. You must enter the parameters in the specified order. Mandatory parameters must always be entered first, and then the optional parameters.

network parms	*<ipaddr>*	*<netmask>*	*[gateway]*	✔ = Correct
	Mandatory	**Mandatory**	**Optional**	✘ = False
network parms	192.168.10.42	255.255.255.0		✔
network parms	192.168.10.42	255.255.255.0	192.168.10.0	✔
network parms	192.168.10.42			✘
network parms		255.255.255.0		✘
network parms	255.255.255.0	192.168.10.42		✘

3.4 Help

To have all currently available commands displayed, enter a question mark in the command prompt. If you type a question mark after every entry, all the commands available after that point will be displayed.

Figure 5   Available command designations or parameters

If Help displays a parameter in angle brackets, you must replace the parameter with a value.

Figure 6   Mandatory parameter

```
>poe port power

<port-no>              {1 - 5}

>poe port power 2
```

If at any point there are no further command names or parameters available, or if further parameters are optional, the following message will appear as output.

Figure 7   Press Enter

```
>show poe port all

<cr>              Press Enter to execute the command.

>show poe port all

 OK
```

3.5   Autocomplete

If you have entered enough letters to uniquely identify a command, press the space bar or tab. Autocomplete will supplement the command.

Figure 8   Autocomplete

```
>show port
 6 Possibilities:
      port-security
      port-channel
      port-info
      port-mirror
      port-stat
      port-util

>show port-info
```

3.6 CLI Network Scripting UI

The CLI Network Scripting UI enables CLI commands from scripts to be loaded onto the device via the network. You can configure and diagnose the device as is with a PC via URL or from a controller. In the process, the device will confirm each command entry.

Command type	Switch response
config	OK
show	Switch data output

The command must fulfill a specific syntax:

http://ipaddress/php/command.php?usr=username&pwd=password&cmd=cli_command_1 | cli_command_2 | ....

Examples of commands with the correct syntax

Change device name:

http://192.168.10.42/php/command.php?usr=admin&pwd=private&cmd=device-identity name Switch2000

Figure 9   Change device name

Display network parameters, change user password:

http://192.168.10.42/php/command.php?usr=admin&pwd=private&cmd=show network | users passwd private2

Figure 10   Display network parameters, change user password

4 General commands

ID	Command	Value range	Default	Answer
GCom001	reload			OK
Description				
Device restart				
Example				
reload				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
GCom002	logout			
Description				
Exit the CLI session (unsaved changes will be lost).				
Example				
logout				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
GCom003	help			Commandline help
Description				
Open the CLI help				
Example				
help				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
GCom004	quit			
Description				
Exit the CLI session (unsaved changes will be lost).				
Example				
quit				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
GCom006	users passwd \<username\> \<old-password\> \<new-password\> \<repeat-new-password\>	\<username\> Current user name \<old-password\> Current password \<new-password\> New password (8 - 64 chars)	\<username\> = admin \<password\> = private	OK
Description				
Change a user password				
Example				
user passwd admin private Switch123 Switch123				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

5 System commands

ID	Command	Value range	Default	Answer
SCom001	show version			ERROR
Description				
Display the device description and hardware information: Serial number Hardware version Firmware version Bootloader version				
Example				
show version				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
SCom002	show sys-info			OK + Parameter Liste
Description				
System information display: Device name Object ID Device description Contact person Device location System runtime				
Example				
show sys-info				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
SCom003	device-identity name <name>	<name> max. 256 chars	<name> = leer	OK
Description				
Change the device name				
Example				
device-identity name Switch2008_2				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
SCom004	device-identity description <description>	<description> max. 256 chars	<description> = leer	OK
Description				
Change the device description				
Example				
device-identity description Switch 2008				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
SCom005	device-identity location <location>	<location> max. 256 chars	<location> = leer	OK
Description				
Change the device location				
Example				
device-identity location Building 2				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
SCom006	device-identity contact <contact>	<contact> max. 256 chars	<contact> = leer	OK
Description				
Change the contact person				
Example				
device-identity contact Mr. Doe				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

6 Event Table commands

ID	Command	Value range	Default	Answer
ETab001	show event-table			Entries of event table
Description				
Display the event table with the following columns: Index Event Device runtime				
Example				
show event-table				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
ETab002	clear event-table			OK
Description				
Delete/clear the event table				
Example				
clear event-table				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

7 MAC Address Table commands

ID	Command	Value range	Default	Answer
MTab001	management-access {en-able | disable}			OK + MAC address table
Description				
Display the MAC address table				
Example				
show mac-address-table				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
MTab002	wlan global-activation	enable: WLAN on disable: WLAN off	disable	OK
Description				
Enable/disable WLAN The "LNK" LED lights up when the WLAN interface is enabled				
Example				
wlan global-activation enable				
Device range			**As of firmware version**	
FLOS product range FL WLAN 1100/2100			1.0	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

8   FW Image Handling commands

ID	Command	Value range	Default	Answer
FImg001	management-access {enable | disable}	<ip-address> IP address (xxx.xxx.xxx.xxx) <filename> File name of the firmware image		OK
Description				
Transfer of a firmware image file to the device. The firmware update is performed immediately, the device then restarts and the CLI connection is terminated.				
Example				
file-transfer tftp write-to-device firmware 192.168.0.1 FL_SWITCH_2000_v1_00.bin				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

9   Script Handling commands

ID	Command	Value range	Default	Answer
Scpt001	management-access {enable | disable}			
Description				
Example				
show script				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
Scpt002	wlan global-activation	enable: WLAN on disable: WLAN off	disable	OK
Description				
Enable/disable WLAN The "LNK" LED lights up when the WLAN interface is enabled				
Example				
wlan global-activation enable				
Device range			**As of firmware version**	
FLOS product range FL WLAN 1100/2100			1.0	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

10   Network commands

ID	Command	Value range	Default	Answer
NW001	show network			OK + Parameters
Description				
Display the current network parameters: IP address assignment (static, BootP, DHCP) IP address Network mask Default gateway Management VLAN Address Conflict Detection (ACD) mode				
Example				
show network				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
NW002	network parms <ip-ad-dress> <netmask> [gate-way]	<ip-address> IP address (xxx.xxx.xxx.xxx) <netmask> Subnet mask (xxx.xxx.xxx.xxx) [gateway] Default gateway (xxx.xxx.xxx.xxx)	<ip-address> = 0.0.0.0 <netmask> = 0.0.0.0 [gateway] = 0.0.0.0	OK
Description				
Change the network parameters: IP address Network mask Default gateway				
Example				
network parms 192.168.0.150 255.255.255.0				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
NW003	network protocol {bootp | dhcp | none}	{bootp | dhcp | none} Selection of the network protocol for IP address assignment	bootp	OK
Description				
Change the IP address assignment				
Example				
network protocol dhcp				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
NW004	network mgmt-vlan <vlan-id>	<vlan-id> VLAN ID (1 - 4000)	<vlan-id> = 1	OK
Description				
Change the management VLAN				
Example				
network mgmt-vlan 2				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
NW005	network acd-mode {acd | none}	{acd | none} Selection of the ACD mode	none	OK
Description				
Change the ACD (Address Conflict Detection) mode				
Example				
network acd-mode acd				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

11   FLOS Services commands

ID	Command	Value range	Default	Answer
Mng001	show service			OK + parameter
Description				
Status indicator for all of the following services: Web server SNMP server CLI service CLI network scripting UI (CLI command entry via URL)				
Example				
show service				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
Mng002	service cli-service {disable | telnet | ssh}	{disable | telnet | ssh} Selection of the CLI service protocol	telnet	OK
Description				
Change the CLI service protocol				
Example				
service cli-service telnet				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
Mng004	service web-server {disable | http | https}	{disable | http | https} Selection of the web server protocol	http	OK
Description				
Change the web server protocol				
Example				
service web-server https				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
Mng005	service snmp-agent {disable | snmp-v2 | snmp-v3}	{disable | snmp-v2 | snmp-v3} Selection of the SNMP version	snmp-v2	OK
Description				
Change the SNMP server				
Example				
service snmp-agent snmp-v2				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

12   LLDP commands

ID	Command	Value range	Default	Answer
LLDP001	show lldp topology all			OK + LLDP topology table
Description				
Tabular display of the LLDP topology with the following columns: Local port Chassis ID of the connected device IP address of the connected device Remote port of the connected device Description of the remote port on the connected device				
Example				
show lldp topology all				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
LLDP002	show lldp global			OK + Parameters
Description				
Display the configuration parameters: LLDP status LLDP transmission interval LLDP transmit port LLDP receive port				
Example				
show lldp global				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
LLDP003	show lldp topology port-no <port-no>	<port-no> Port number		OK + LLDP port topology
Description				
Display the topology information at a port: Complete chassis ID Complete port name System name System description				
Example				
show lldp topology port-no 3				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
LLDP004	lldp status {enable | disable}	{enable | disable} Enable/disable	enable	OK
Description				
Change the LLDP status				
Example				
lldp status enable				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
LLDP005	lldp tx-interval <value>	<value> Interval in seconds (5 - 32768)	5	OK
Description				
Change the LLDP transmission interval				
Example				
lldp tx-interval 10				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
LLDP006	lldp port-tx enable <port-list>	<port-list> Comma-separated list of port numbers	all enable	OK
Description				
Activation of the LLDP transmit ports				
Example				
lldp port-tx enable 3,4,8				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
LLDP007	lldp port-tx disable <port-list>	<port-list> Comma-separated list of port numbers	no disable	OK
Description				
Deactivation of the LLDP transmit ports				
Example				
lldp port-tx disable 3,4,8				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
LLDP008	lldp port-rx enable <port-list>	<port-list> Comma-separated list of port numbers	all enable	OK
Description				
Activation of the LLDP receive ports				
Example				
lldp port-rx enable 3,4,8				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
LLDP009	lldp port-rx disable <port-list>	<port-list> Comma-separated list of port numbers	no disable	OK
Description				
Deactivation of the LLDP receive ports				
Example				
lldp port-rx disable 3,4,8				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

13   Port Features commands

ID	Command	Value range	Default	Answer
PFtr001	show port-info all			OK + parameter
Description				
Display the basic parameters of all ports: Port number Port name Port type Port status Port mode				
Example				
show port-info all				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
PFtr002	show port-info port-no <port-no>	<port-no> Port number		OK + parameter
Description				
Display the basic parameters of one port: Port number Port name Port type Port status Port mode Status flow control Status link monitoring				
Example				
show port-info port-no 3				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
PFtr003	show port-stat port-no <port-no>	<port-no> Port number		OK + parameter
Description				
Display the port statistics of one port				
Example				
show port-stat port-no 3				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
PFtr004	show port-util port-no <port-no>	<port-no> Port number		OK + parameter
Description				
Display the RX and TX utilization of one port				
Example				
show port-util port-no 3				
Device range		**As of firmware version**		
FLOS product range FL SWITCH 2000		1.00		
FLOS product family SCX		1.01		

ID	Command	Value range	Default	Answer
PFtr005	show port-util all			OK + parameter
Description				
Display the RX and TX utilization of all ports				
Example				
show port-util all				
Device range		**As of firmware version**		
FLOS product range FL SWITCH 2000		1.00		
FLOS product family SCX		1.01		

ID	Command	Value range	Default	Answer
PFtr006	port <port-no> admin-mode {enable | disable}	<port-no> Port number {enable | disable} Enable/disable	all enable	OK
Description				
Activation/deactivation of a port				
Example				
port 3 admin-mode disable				
Device range		**As of firmware version**		
FLOS product range FL SWITCH 2000		1.00		
FLOS product family SCX		1.01		

ID	Command	Value range	Default	Answer
PFtr007	port <port-no> modus autoneg	<port-no> Port number		OK
Description				
Activation/deactivation of auto-negotiation on one port				
Example				
port 3 modus autoneg				
Device range		**As of firmware version**		
FLOS product range FL SWITCH 2000		1.00		
FLOS product family SCX		1.01		

ID	Command	Value range	Default	Answer
PFtr008	port <port-no> modus auto10_100	<port-no> Port number		OK
Description				
Activation/deactivation of auto-negotiation on one port (only 10/100 Mbps, not 1000 Mbps)				
Example				
port 3 modus auto10_100				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			2.01	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
PFtr009	port <port-no> modus speed <speed> {half-duplex	full-duplex}	<port-no> Port number <speed> Transmission speed in Mbps (selection options: {10 | 100 | 1000}) {half-duplex	full-duplex} Selection of the duplex mode		OK
Description				
Change the transmission speed and duplex mode on one port				
Example				
port 3 modus speed 100 half-duplex				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
PFtr010	port <port-no> modus fast-startup	<port-no> Port number		OK
Description				
Activation/deactivation of Fast Startup mode on one port.				
Example				
port 3 modus faststartup				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
PFtr011	port <port-no> description <text>	<port-no> Port number <text> Port designation (0 - 31 chars)	<text> = leer	OK
Description				
Change the port name				
Example				
port 3 description RingPort1				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
PFtr012	port <port-no> link-monitor-ing {enable | disable}	<port-no> Port number {enable | disable} Enable/disable	all disable	OK
Description				
Activation/deactivation of link monitoring on one port				
Example				
port 3 link-monitoring disable				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
PFtr013	port <port-no> flow-control {enable | disable}	<port-no> Port number {enable | disable} Enable/disable	all disable	OK
Description				
Activation/deactivation of flow control on one port				
Example				
port 3 flow-control disable				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

14   Port Mirroring commands

ID	Command	Value range	Default	Answer
PMir001	show port-mirror			OK + parameter
Description				
Display the port mirroring parameters: Global status Receive port (mirroring port) Mirrored ports (incoming traffic) Mirrored ports (outgoing traffic)				
Example				
show port-mirror				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
PMir002	port-mirror status {enable | disable}	{enable | disable} Enable/disable	disable	OK
Description				
Activation/deactivation of the global port mirroring status				
Example				
port-mirror status enable				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
PMir003	port-mirror dest <port-no>	<port-no> Port number	1	OK
Description				
Change the receive port (mirroring port)				
Example				
port-mirror dest 8				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
PMir004	port-mirror ingress enable <port-list>	<port-list> Comma-sepa-rated list of port numbers	all disable	OK
Description				
Activation of RX port mirroring (incoming traffic) on multiple ports				
Example				
port-mirror ingress enable 3,4,8				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
PMir005	port-mirror ingress disable <port-list>	<port-list> Comma-separated list of port numbers	all disable	OK
Description				
Deactivation of RX port mirroring (incoming traffic) on multiple ports				
Example				
port-mirror ingress disable 3,4,8				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
PMir006	port-mirror egress enable <port-list>	<port-list> Comma-separated list of port numbers	all disable	OK
Description				
Activation of TX port mirroring (outgoing traffic) on multiple ports				
Example				
port-mirror egress enable 3,4,8				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
PMir007	port-mirror egress disable <port-list>	<port-list> Comma-separated list of port numbers	all disable	OK
Description				
Deactivation of TX port mirroring (outgoing traffic) on multiple ports				
Example				
port-mirror egress disable 3,4,8				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

15   VLAN commands

ID	Command	Value range	Default	Answer
VLan001	show vlan global			OK + parameter
Description				
Display the current VLAN mode				
Example				
show vlan global				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
VLan002	show vlan static-table			OK + VLAN static table
Description				
Display the static VLAN table: VLAN ID VLAN name Device ports (untagged) Device ports (tagged)				
Example				
show vlan static-table				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
VLan003	show vlan current-table			
Description				
Display the current VLAN table: VLAN ID VLAN name Device ports (untagged) Device ports (tagged)				
Example				
show vlan current-table				
Device range			**As of firmware version**	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
VLan004	show vlan port-table			OK + VLAN port table
Description				
Display the port-based static VLAN table for all ports: VLAN ID VLAN name Device ports (untagged) Device ports (tagged)				
Example				
show vlan port-table				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
VLan005	show vlan port <port-no>	<port-no> Port number		OK + parameter
Description				
Display the port-based static VLAN table for one port: VLAN ID VLAN name Device ports (untagged) Device ports (tagged)				
Example				
show vlan port 3				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
VLan006	show vlan vlan-id <vlan-id>	<vlan-id> VLAN ID (1 - 4000)		OK + parameter
Description				
Display the VLAN information for a VLAN: VLAN ID VLAN name Device ports (untagged) Device ports (tagged)				
Example				
show vlan vlan-id 3				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
VLan007	vlan status {transparent | tagged}	{transparent | tagged} Selection of the VLAN mode	transparent	OK
Description				
Change the VLAN mode				
Example				
vlan status tagged				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
VLan008	vlan create <vlan-id>	<vlan-id> VLAN ID (1 - 4000)		OK
Description				
Create a new static VLAN				
Example				
vlan create 5				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
VLan009	vlan delete <vlan-id>	<vlan-id> VLAN ID (1 - 4000)		OK
Description				
Delete a static VLAN				
Example				
vlan delete 5				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
VLan010	vlan static <vlan-id> name <vlan-name>	<vlan-id> VLAN ID (1 - 4000) <vlan-name> VLAN name (0 - 31 chars)		OK
Description				
Change the name of a static VLAN				
Example				
vlan static 5 name VLAN_5				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
VLan011	vlan static <vlan-id> tagged-mem-ports <port-list>	<vlan-id> VLAN ID (1 - 4000) <port-list> Comma-separated list of port numbers		OK
Description				
Assignment of device ports (tagged) to a VLAN				
Example				
vlan static 5 tagged-mem-ports				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
VLan012	vlan static <vlan-id> un-tagged-mem-ports <port-list>	<vlan-id> VLAN ID (1 - 4000) <port-list> Comma-separated list of port numbers		OK
Description				
Assignment of device ports (untagged) to a VLAN				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
VLan013	vlan static <vlan-id> no-member <port-list>	<vlan-id> VLAN ID (1 - 4000) <port-list> Comma-separated list of port numbers		OK
Description				
Removal of device ports from a VLAN				
Example				
vlan static 5 no-member				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
VLan014	vlan port <port-no> vlan <vlan-id>	<port-no> Port number <vlan-id> VLAN ID (1 - 4000)		OK
Description				
Assignment of a default VLAN ID to a port				
Example				
vlan port 3 vlan 5				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
VLan015	vlan port <port-no> priority <value>	<port-no> Port number <value> Priority (0 - 7)	0	OK
Description				
Assignment of a default priority to a port				
Example				
vlan port 3 priority				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
VLan016	vlan port <port-no> ingress-filter {enable | disable}	<port-no> Port number {enable | disable} Enable/disable	all disable	OK

Description
Activation/deactivation of the ingress filter at a port

Example
vlan port 3 ingress-filter disable

Device range	**As of firmware version**
FLOS product range FL SWITCH 2000	1.00
FLOS product family SCX	1.01

16 Multicast commands

ID	Command	Value range	Default	Answer
MC001	show multicast igmp			OK + parameter

Description
Display the IGMP snooping information:
Status IGMP Snooping
Snoop Aging Time
IGMP Query Version
Query interval
Status of IGMP extension FUQ
Status of IGMP extension BUQ
Status of IGMP extension auto query port
List of static query ports

Example
show multicast igmp

Device range	**As of firmware version**
FLOS product range FL SWITCH 2000	1.00
FLOS product family SCX	1.01

ID	Command	Value range	Default	Answer
MC002	show multicast static-groups			OK + parameter list

Description
Tabular display of the static multicast groups with the following columns:
Multicast address
VLAN ID
Member ports including status

Example
show multicast static-groups

Device range	**As of firmware version**
FLOS product family SCX	1.01

ID	Command	Value range	Default	Answer
MC003	show multicast current-groups			OK + current multi-cast groups
Description				
Tabular display of the current multicast groups with the following columns: VLAN ID Multicast address Port member				
Example				
show multicast current-groups				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
MC004	multicast igmp snoop status {enable | disable}	{enable | disable} Enable/disable	disable	OK
Description				
Activation/deactivation of IGMP snooping				
Example				
multicast igmp snoop status enable				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
MC005	multicast igmp snoop aging <value>	<value> Aging time in seconds (30 - 3600)	<value> = 300	OK
Description				
Change the aging time				
Example				
multicast igmp snoop aging				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
MC006	multicast igmp querier version {disable | v1 | v2}	{disable | v1 | v2} Selection of the querier version	disable	OK
Description				
Change the querier version				
Example				
multicast igmp querier version v2				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
MC011	multicast igmp extension clear-auto-query			OK
Description				
Delete all auto query ports				
Example				
multicast igmp extension clear-auto-query				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
MC012	multicast igmp extension static-query-port add <port-list>	<port-list> Comma-separated list of port numbers		OK
Description				
Add static query ports				
Example				
multicast igmp extension static-query-port add				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
MC013	mutlicast igmp extension static-query-port remove <port-list>	<port-list> Comma-separated list of port numbers		OK
Description				
Delete static query ports				
Example				
multicast igmp extension static-query-port remove				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
MC014	multicast static create <mac-address> <vlan-id>	<mac-address> Multicast MAC address (xx:xx:xx:xx:xx:xx) <vlan-id> Multicast VLAN ID		OK
Description				
Generate a new static multicast group				
Example				
multicast static create 01:00:5e:00:18:0e 1				
Device range			**As of firmware version**	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
MC015	multicast static delete <mac-address> <vlan-id>	<mac-address> Multicast MAC address (xx:xx:xx:xx:xx:xx) <vlan-id> Multicast VLAN ID		OK
Description				
Delete an existing static multicast group				
Example				
multicast static delete 01:00:5e:00:18:0e 1				
Device range			**As of firmware version**	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
MC016	multicast static configure <mac-address> <vlanid> static-mem-ports <port-list>	<mac-address> Multicast MAC address (xx:xx:xx:xx:xx:xx) <vlan-id> Multicast VLAN ID <port-list> Comma-separated list of port numbers		OK
Description				
Add ports to a static multicast group				
Example				
multicast static configure 01:00:5e:00:18:0e 1 static-mem-ports 3,5,8				
Device range			**As of firmware version**	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
MC017	multicast static configure <mac-address> <vlanid> forbidden-mem-ports <port-list>	<mac-address> Multicast MAC address (xx:xx:xx:xx:xx:xx) <vlan-id> Multicast VLAN ID <port-list> Comma-separated list of port numbers		OK
Description				
Forbid membership of ports in a static multicast group				
Example				
multicast static configure 01:00:5e:00:18:0e 1 forbidden-mem-ports 3,5,8				
Device range			**As of firmware version**	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
MC018	multicast static configure <mac-address> <vlanid> no-member <port-list>	<mac-address> Multicast MAC address (xx:xx:xx:xx:xx:xx) <vlan-id> Multicast VLAN ID <port-list> Comma-separated list of port numbers		OK
Description				
Delete ports from a static multicast group				
Example				
multicast static configure 01:00:5e:00:18:0e 1 no-member 3,5,8				
Device range			**As of firmware version**	
FLOS product family SCX			1.01	

17   RSTP commands

ID	Command	Value range	Default	Answer
RSTP001	show spanning-tree global			OK + Parameter
Description				
RSTP information display: Status RSTP Mode Status Large Tree Support Status Fast Ring Detection Bridge Priority Bridge Hello Time Bridge Forward Delay Bridge Max Age Root MAC address Root Port Root Cost Number of topology changes Last topology change Hello Time Forward Delay Max Age				
Example				
show spanning-tree global				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
RSTP002	show spanning-tree port port-no <port-no>	<port-no> Port number		OK + parameter
Description				
Display the RSTP information for a specific port: Status RSTP Mode Admin Path Cost Operating Path Cost Status Auto Edge Status Admin Edge Status Operating Edge Priority Number of forward transitions MAC address of the root MAC address of the bridge Port ID Cost				
Example				
show spanning tree port port-no 3				
Device range		**As of firmware version**		
FLOS product range FL SWITCH 2000		1.00		
FLOS product family SCX		1.01		

ID	Command	Value range	Default	Answer
RSTP003	show spanning-tree port all			OK + Port
Description				
Tabular display of the RSTP information for a specific port with the following columns: Port number Status RSTP Mode Path Cost Operating Edge Blocking State Protocol Role				
Example				
show spanning-tree port all				
Device range		**As of firmware version**		
FLOS product range FL SWITCH 2000		1.00		
FLOS product family SCX		1.01		

ID	Command	Value range	Default	Answer
RSTP004	spanning-tree status {disable | 802.1d}	{disable | 802.1w} Disable/enable	Firmware revision 1.00: disable From Firmware revision 2.01: 802.1w	OK
Description				
Activation/deactivation of RSTP				
Example				
spanning-tree status 802.1w				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
RSTP005	spanning-tree lts {enable | disable}	{enable | disable} Enable/disable	disable	OK
Description				
Activation/deactivation of Large Tree Support				
Example				
spanning-tree lts enable				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
RSTP006	spanning-tree frd {enable | disable}	{enable | disable} Enable/disable	disable	OK
Description				
Activation/deactivation of Fast Ring Detection				
Example				
spanning-tree frd enable				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
RSTP007	spanning-tree bdg-prio \<value\>	\<value\> Bridge Priority (0 - 61440 in increments of 4096)	\<value\> = 32768	OK
Description				
Change the Bridge Priority				
Example				
spanning-tree bdg-prio 4096				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
RSTP008	spanning-tree hello-time <value>	<value> Hello time in seconds (1 - 10)	<value> = 2	OK
Description				
Change the Bridge Hello Time				
Example				
spanning-tree hello-time 3				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
RSTP009	spanning-tree fwd-delay <value>	<value> Bridge Forward Delay in seconds (4 - 30)	<value> = 15	OK
Description				
Change the Bridge Forward Delay				
Example				
spanning-tree fwd-delay 20				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
RSTP010	spanning-tree max-age <value>	<value> Bridge Max Age in seconds (6 - 40)	<value> = 20	OK
Description				
Change the Bridge Max Age				
Example				
spanning-tree max-age 25				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
RSTP011	spanning-tree port <port-no> status {enable | disable}	<port-no> Port number {enable | disable} Enable/disable	all enable	OK
Description				
Activation/deactivation of RSTP for a specific port				
Example				
spanning-tree port 3 status disable				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
RSTP012	spanning-tree port <port-no> path-cost <value>	<port-no> Port number <value> Path cost (0 = automatic detection based on the current port speed; 1 - 200000000 = manual setting)	<value> = 0	OK
Description				
Change the path cost for a specific port				
Example				
spanning-tree port 3 path-cost 20000				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
RSTP013	spanning-tree port <port-no> auto-edge {enable | disable}	<port-no> Port number {enable | disable} Enable/disable	all enable	
Description				
Activation/deactivation of Auto Edge for a specific port				
Example				
spanning-tree port 3 auto-edge enable				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
RSTP014	spanning-tree port <port-no> admin-edge {edge | non-edge}	<port-no> Port number {edge | non-edge} Selection of Admin Edge	all non-edge	
Description				
Activation/deactivation of Admin Edge for a specific port				
Example				
spanning-tree port 3 admin-edge non-edge				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
RSTP015	spanning-tree port <port-no> priority <value>	<port-no> Port number <value> Priority (0 - 240 in increments of 16)	<value> = 128	OK
Description				
Change the priority for a specific port				
Example				
spanning-tree port 3 priority 192				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
RSTP016	spanning-tree port <port-no> force-rstp	<port-no> Port number		OK
Description				
Force change from STP to RSTP for a specific port				
Example				
spanning-tree port 3 force-rstp				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

18 Security Context commands

ID	Command	Value range	Default	Answer
SecC001	show sec-context			OK + parameter
Description				
Display the security context status				
Example				
show sec-context				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
SecC002	sec-context generate			OK
Description				
Generate a security context				
Example				
sec-context generate				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
SecC003	file-transfer {tftp | http} {write-to-device | read-from-device} sec-context <ip-address> <filename>	{tftp | http} Selection of the transfer method {write-to-device | read-from-device} Selection of the transfer direction <ip-address> IP address (xxx.xxx.xxx.xxx) <filename> File name of the root CA certificate		OK

Description
Transfer of a root CA certificate file to the device or from the device to the PC.

Example
file-transfer tftp write-to-device sec-context 192.168.0.1 cacert.cer

Device range	**As of firmware version**
FLOS product range FL SWITCH 2000	1.00
FLOS product family SCX	1.01

19 DHCP commands

ID	Command	Value range	Default	Answer
DHCP001	show dhcp global			OK + parameter

Description
Display the global DHCP status

Example
show dhcp global

Device range	**As of firmware version**
FLOS product range FL SWITCH 2000	1.00
FLOS product family SCX	1.01

ID	Command	Value range	Default	Answer
DHCP002	show dhcp server current-lease			OK + lease table

Description
Tabular display of the current DHCP leases (assigned IP addresses): Number Assigned IP address MAC address of the device Local port Status

Example
show dhcp server current-lease

Device range	**As of firmware version**
FLOS product range FL SWITCH 2000	1.00
FLOS product family SCX	1.01

ID	Command	Value range	Default	Answer
DHCP003	show dhcp server static-lease			OK + lease table
Description				
Tabular display of the current static DHCP leases (assigned IP addresses): Number Assigned IP address MAC address of the device				
Example				
show dhcp server static-lease				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP004	show dhcp server port-local <port-no>	<port-no> Port number		OK + parameter
Description				
Display the port-based DHCP server information: Port Status of the port-based DHCP server IP address Subnet mask Default gateway DNS server				
Example				
show dhcp server port-local 3				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP005	dhcp-service service {none | relay-agent | server}	{none | relay-agent | server} Selection of the DHCP server operating mode	none	OK
Description				
Set the operating mode of the DHCP server				
Example				
dhcp-service service server				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP006	dhcp-service relay-agent remote-id {ip | mac}	{ip | mac} Selection of the relay agent remote ID	ip	OK
Description				
Change the relay agent remote ID				
Example				
dhcp-service relay-agent remote-id mac				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP007	dhcp-service relay-agent server <ip-address>	<ip-address> IP address (xxx.xxx.xxx.xxx)	<ip-address> = 0.0.0.0	OK
Description				
Change the DHCP server in relay agent mode				
Example				
dhcp-service relay-agent server 192.168.0.2				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP008	dhcp-service relay-agent port-mode enable <port-list>	<port-list> Comma-separated list of port numbers		OK
Description				
Activation of the relay agent on multiple ports				
Example				
dhcp-service relay-agent port-mode enable 3,4,8				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP009	dhcp-service relay-agent port-mode disable <port-list>	<port-list> Comma-separated list of port numbers		OK
Description				
Deactivation of the relay agent on multiple ports				
Example				
dhcp-service relay-agent port-mode disable 3,4,8				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP010	dhcp-service server pool-start-addr <ip-address>	<ip-address> IP address (xxx.xxx.xxx.xxx)	<ip-address> = 0.0.0.0	OK
Description				
Change the start address of the DHCP pool				
Example				
dhcp-service server pool-start-addr 192.168.0.3				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP011	dhcp-service server pool-size <size>	<size> DHCP pool size (depends on subnet)	<size> = 32	OK
Description				
Change the maximum number of IP addresses specified by the DHCP server (size of the address pool)				
Example				
dhcp-service server pool-size 20				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP012	dhcp-service server net-mask <net-mask>	<net-mask> Subnet mask (xxx.xxx.xxx.xxx)	<net-mask> = 0.0.0.0	OK
Description				
Change the subnet mask that is assigned to the DHCP clients				
Example				
dhcp-service server net-mask 255.255.255.0				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP013	dhcp-service server router-ip <ip-address>	<ip-address> IP address (xxx.xxx.xxx.xxx)	<ip-address> = 0.0.0.0	OK
Description				
Change the default gateway that is assigned to the DHCP clients				
Example				
dhcp-service server router-ip 192.168.0.1				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

SCX CLI...

ID	Command	Value range	Default	Answer
DHCP014	dhcp-service server dns-ip <ip-address>	<ip-address> IP address (xxx.xxx.xxx.xxx)	<ip-address> = 0.0.0.0	OK
Description				
Change the DNS server that is assigned to the DHCP clients				
Example				
dhcp-service server dns-ip 192.168.10.10				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP015	dhcp-service server lease-time <value>	<value> DHCP lease time in seconds (300 - 2592000)	<value> = 3600	OK
Description				
Change the DHCP lease time (validity of the IP address assignment)				
Example				
dhcp-service server lease-time 3600				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP016	dhcp-service server accept-bootp {enable | disable}	{enable | disable} Enable/disable	enable	OK
Description				
Activation/deactivation of the acceptance of BootP requests by the DHCP server				
Example				
dhcp-service server accept-bootp enable				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP017	dhcp-service server static-lease create <ip-address> <client-mac-address>	<ip-address> IP address (xxx.xxx.xxx.xxx) <client-mac-address> Client MAC address (xx:xx:xx:xx:xx:xx)		OK
Description				
Create a static IP assignment (DHCP lease) for a defined client address (MAC address)				
Example				
dhcp-service server static-lease create 192.168.0.20 XX:XX:XX:6C:D2:05				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP018	dhcp-service server static-lease delete <ip-address>	<ip-address> IP address (xxx.xxx.xxx.xxx)		OK
Description				
Delete a statically assigned IP address (DHCP lease)				
Example				
dhcp-service server static-lease delete 192.168.0.20				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP019	dhcp-service server static-lease clear			OK
Description				
Delete all static IP assignments (DHCP lease)				
Example				
dhcp-service server static-lease clear				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP020	dhcp-service server port-local <port-no> status {enable | disable}	<port-no> Port number {enable | disable} Enable/disable	all disable	OK
Description				
Activation/deactivation of a port-based DHCP server				
Example				
dhcp-service server port-local 3 status enable				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP021	dhcp-service server port-local <port-no> local-ip <ip-address>	<port-no> Port number <ip-address> IP address (xxx.xxx.xxx.xxx)	<ip-address> = 0.0.0.0	OK
Description				
Change an IP address assigned by a port-based DHCP server				
Example				
dhcp-service server port-local 3 local-ip 192.168.0.30				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP022	dhcp-service server port-local <port-no> net-mask <net-mask>	<port-no> Port number <net-mask> Subnet mask (xxx.xxx.xxx.xxx)	<net-mask> = 0.0.0.0	OK
Description				
Change a subnet mask assigned by a port-based DHCP server				
Example				
dhcp-service sercer port-local 3 net-mask 255.255.255.0				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP023	dhcp-service server port-local <port-no> router-ip <ip-address>	<port-no> Port number <ip-address> IP address (xxx.xxx.xxx.xxx)	<ip-address> = 0.0.0.0	OK
Description				
Change a default gateway address assigned by a port-based DHCP server				
Example				
dhcp-service server port-local 3 router-ip 192.168.0.1				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP024	dhcp-service server port-local <port-no> dns-ip <ip-address>	<port-no> Port number <ip-address> IP address (xxx.xxx.xxx.xxx)	<ip-address> = 0.0.0.0	OK
Description				
Change a DNS server address assigned by a port-based DHCP server				
Example				
dhcp-service server port-local 3 dns-ip 192.168.10.10				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
DHCP025	dhcp-service server port-local-clear			OK
Description				
Delete all port-based DHCP servers				
Example				
dhcp-service server port-local-clear				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

20   QoS commands

ID	Command	Value range	Default	Answer
QOS001	show broadcast-limiter			OK + parameter
Description				
Display the broadcast limiter information: Status of the broadcast limiter Broadcast threshold value Status of the multicast limiter Multicast threshold value Status of the unknown unicast limiter Unknown unicast threshold value				
Example				
show broadcast-limiter				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
QOS002	broadcast-limiter broadcast status {enable | disable}	{enable | disable} Enable/disable	disable	OK
Description				
Change the broadcast limiter status				
Example				
broadcast-limiter broadcast status enable				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
QOS003	broadcast-limiter broadcast threshold <value>	<value> Threshold value in frames per second (0 - 1048576 in increments of 1024)	<value> = 1024	OK
Description				
Change the broadcast limiter threshold				
Example				
broadcast-limiter broadcast threshold 2048				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
QOS004	broadcast-limiter multicast status {enable | disable}	{enable | disable} Enable/disable	disable	OK
Description				
Change the multicast limiter status				
Example				
broadcast-limiter multicast status enable				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
QOS005	broadcast-limiter multicast threshold <value>	<value> Threshold value in frames per second (0 - 1048576 in increments of 1024)	<value> = 1024	OK
Description				
Change the multicast limiter threshold				
Example				
broadcast-limiter multicast threshold 2048				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
QOS006	broadcast-limiter unicast status {enable | disable}	{enable | disable} Enable/disable	disable	OK
Description				
Change the unknown unicast limiter status				
Example				
broadcast-limiter unicast status enable				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.01	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
QOS007	broadcast-limiter unicast threshold <value>	<value> Threshold value in frames per second (0 - 1048576 in increments of 1024)	<value> = 1024	OK
Description				
Change the broadcast limiter threshold				
Example				
broadcast-limiter unicast threshold 2048				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.02	
FLOS product family SCX			1.01	

21 Trap Manager commands

ID	Command	Value range	Default	Answer
TMgr001	show snmp-trap			OK + trap status list
Description				
Tabular display of the SNMP trap states with the following columns: Trap Name Status				
Example				
show snmp-trap				
Device range		**As of firmware version**		
FLOS product range FL SWITCH 2000		1.00		
FLOS product family SCX		1.01		

ID	Command	Value range	Default	Answer
TMgr002	snmp-trap status {enable | disable}	{enable | disable} Enable/disable	disable	OK
Description				
Change the global SNMP status				
Example				
snmp-trap status enable				
Device range		**As of firmware version**		
FLOS product range FL SWITCH 2000		1.00		
FLOS product family SCX		1.01		

ID	Command	Value range	Default	Answer
TMgr003	snmp-trap server add <ip-address>	<ip-address> IP address (xxx.xxx.xxx.xxx)		OK
Description				
Add an SNMP trap server				
Example				
snmp-trap server add 192.168.0.50				
Device range		**As of firmware version**		
FLOS product range FL SWITCH 2000		1.00		
FLOS product family SCX		1.01		

ID	Command	Value range	Default	Answer
TMgr004	snmp-trap server remove <ip-address>	<ip-address> IP address (xxx.xxx.xxx.xxx)		OK
Description				
Delete an SNMP trap server				
Example				
snmp-trap server remove 192.168.0.50				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
TMgr005	snmp-trap trap <trap> {enable | disable}	<trap> SNMP trap (selection options: {mrp | ip-conflict | fw-status-chg | port-sec-violation | link-up | link-down | rstp-top-chg | rstp-new-root | rstp-link-fail | pow-src-chg | fw-config | auth-fail | user-pwd-chg | sd-card-out | sd-card-in | config-diff | warm-start | cold-start})	all enable	OK
Description				
Change the SNMP trap states				
Example				
snmp-trap trap link-up,auth-fail,warm-start enable				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
TMgr006	snmp-trap send-test-trap			OK
Description				
Send a test trap				
Example				
snmp-trap send-test-trap				
Device range			**As of firmware version**	
FLOS product range FL SWITCH 2000			1.00	
FLOS product family SCX			1.01	

22 FLOS MTU commands

ID	Command	Value range	Default	Answer
MTU001	show mtu all			
Description				
Display the MTU information for all ports				
Example				
show mtu all				
Device range			**As of firmware version**	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
MTU002	show mtu port <port-no>	<port-no> Port number		
Description				
Display the MTU information for one port				
Example				
show mtu port 2				
Device range			**As of firmware version**	
FLOS product family SCX			1.01	

23 PoE commands

ID	Command	Value range	Default	Answer
Poe001	show poe port all <cr>			OK + PoE table
Description				
Status of all PoE ports				
Example				
show poe port all				
Device range			**As of firmware version**	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
Poe002	show poe port port-no <port-no> <cr>	<port-no> Port number {1-5}		OK + Port status list
Description				
Status of one PoE port				
Example				
show poe port port-no 3				
Device range			**As of firmware version**	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
Poe003	show poe controller <cr>			OK + PoE controller list
Description				
Status PoE controller				
Example				
show poe controller				
Device range		**As of firmware version**		
FLOS product family SCX		1.01		

ID	Command	Value range	Default	Answer
Poe004	poe notification *<value>*	<value> {enable | disable}		OK
Description				
Changing the global SNMP trap status for PoE				
Example				
poe notification enable				
Device range		**As of firmware version**		
FLOS product family SCX		1.01		

ID	Command	Value range	Default	Answer
Poe005	poe controller powerthreshold *<value>* *<cr>*	<value> {1-99}		OK
Description				
Setting the power threshold for SNMP trap				
Example				
poe controller powerthreshold 50				
Device range		**As of firmware version**		
FLOS product family SCX		1.01		

ID	Command	Value range	Default	Answer
Poe006	poe port max-power *<port-no>* *<value>* *<cr>*	<port-no> {1-5} <value> {3-8}	8	OK
Description				
Setting the maximum port performance class (PoE class)				
Example				
poe port max-power 2 5				
Device range		**As of firmware version**		
FLOS product family SCX		1.01		

ID	Command	Value range	Default	Answer
Poe007	poe port prio *<port-no>* *<value>* *<cr>*	<port-no> {1-5} <value> {critical | high | low}	high	OK
Description				
Setting port priority				
Example				
poe port prio 2 critical				
Device range			**As of firmware version**	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
Poe008	poe port pairs *<port-no>* *<value>* *<cr>*	<port-no> {1-5} <value> {signal | spare | 4pairs}	4pairs	OK
Description				
Setting the wire pairs to which PoE is wired				
Example				
poe port pairs 3 4pairs				
Device range			**As of firmware version**	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
Poe009	poe port power *<port-no>* *<value>* *<cr>*	<port-no> {1-5} <value> {enable | disable}	enable	OK
Description				
Switching PoE on and off				
Example				
poe port power 2 enable				
Device range			**As of firmware version**	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
Poe010	poe port operation-mode *<port-no>* *<value>* *<cr>*	<port-np> {1-5} <value> {auto | force}	auto	OK
Description				
PoE is negotiated (Auto) or power output in accordance with set parameters "max-power" and "pairs" without negotiation (Force mode).				
Example				
poe port operation-mode 2 auto				
Device range			**As of firmware version**	
FLOS product family SCX			1.01	

24 SCX I/O commands

ID	Command	Value range	Default	Answer
Scx001	show scxio <cr>			OK + I/O status list
Description				
Status I/Os				
Example				
show scxio				
Device range			**As of firmware version**	
FLOS product family SCX			1.01	

ID	Command	Value range	Default	Answer
Scx002	scxio out <value> <cr>	<value> {enable | disable}	disable	OK
Description				
Switching on 24-V output				
Example				
scxio out enable				
Device range			**As of firmware version**	
FLOS product family SCX			1.01	