

How to set Port Control with SNMP command on DGS-3627

The following command will set the port 1 to use 100MB full connection.

```
#snmpset -c private -v 2c
```

```
192.168.1.24 .1.3.6.1.4.1.171.11.70.6.2.3.2.1.5.1.1 i 6
```

Please refer the following the description for port control's OID meaning

Object name	swL2PortCtrlTable
Object ID	1.3.6.1.4.1.171.11.70.6.2.3.2
Module	DGS3627-L2MGMT-MIB
Base syntax	Sequence Of swL2PortCtrlEntry
Access	Not_Accessible
Status	Current
Sequence	1:swL2PortCtrlPortIndex - Integer 2:swL2PortCtrlMediumType - Integer 3:swL2PortCtrlUnitIndex - Integer 4:swL2PortCtrlAdminState - Integer 5:swL2PortCtrlNwayState - Integer 6:swL2PortCtrlFlowCtrlState - Integer 7:swL2PortCtrlLockState - Integer 8:swL2PortCtrlMACNotifyState - Integer
Parent node	swL2PortMgmt
First child	swL2PortCtrlEntry
Description	A table that contains control information about every port.

Object name	swL2PortCtrlEntry
Object ID	1.3.6.1.4.1.171.11.70.6.2.3.2.1
Module	DGS3627-L2MGMT-MIB
Base syntax	Sequence
Access	Not_Accessible
Status	Current
Index	1.swL2PortCtrlPortIndex 2.swL2PortCtrlMediumType
Parent node	swL2PortCtrlTable
First child	swL2PortCtrlPortIndex
Description	A list of control information for each port of the device.

Object name	swL2PortCtrlPortIndex
Object ID	1.3.6.1.4.1.171.11.70.6.2.3.2.1.1
Module	DGS3627-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : 0..65535
Parent node	swL2PortCtrlEntry
First child	None
Description	This object indicates the module's port number. (1..Max port number in the module)

	Object name	swL2PortCtrlMediumType
	Object ID	1.3.6.1.4.1.171.11.70.6.2.3.2.1.2
	Module	DGS3627-L2MGMT-MIB
	Base syntax	Integer
	Composed syntax	INTEGER
	Access	Read-Only
	Status	Current
	Value list	1 : copper(1) 2 : fiber(2)
	Parent node	swL2PortCtrlEntry
	First child	None
	Description	Indicates medium type of the port number.

	Object name	swL2PortCtrlUnitIndex
	Object ID	1.3.6.1.4.1.171.11.70.6.2.3.2.1.3
	Module	DGS3627-L2MGMT-MIB
	Base syntax	Integer
	Composed syntax	INTEGER
	Access	Read-Only
	Status	Current
	Value list	1 : 0..65535
	Parent node	swL2PortCtrlEntry
	First child	None
	Description	Indicates ID of the unit in the device

	Object name	swL2PortCtrlAdminState
	Object ID	1.3.6.1.4.1.171.11.70.6.2.3.2.1.4
	Module	DGS3627-L2MGMT-MIB
	Base syntax	Integer
	Composed syntax	INTEGER
	Access	Read-Write
	Status	Current
	Value list	1 : other(1) 2 : disabled(2) 3 : enabled(3)
	Parent node	swL2PortCtrlEntry
	First child	None
	Description	This object decide the port enabled or disabled.

	Object name	swL2PortCtrlNwayState
	Object ID	1.3.6.1.4.1.171.11.70.6.2.3.2.1.5
	Module	DGS3627-L2MGMT-MIB
	Base syntax	Integer
	Composed syntax	INTEGER
	Access	Read-Write
	Status	Current
	Value list	1 : other(1) 2 : nway-enabled(2) 3 : nway-disabled-10Mbps-Half(3) 4 : nway-disabled-10Mbps-Full(4) 5 : nway-disabled-100Mbps-Half(5) 6 : nway-disabled-100Mbps-Full(6) 7 : nway-disabled-1Gigabps-Full(8) 8 : nway-disabled-1Gigabps-Full-master(9) 9 : nway-disabled-1Gigabps-Full-slave(10)
	Parent node	swL2PortCtrlEntry
	First child	None
	Description	Chose the port speed, duplex mode, and N-Way function mode.

	Object name	swL2PortCtrlFlowCtrlState
	Object ID	1.3.6.1.4.1.171.11.70.6.2.3.2.1.6
	Module	DGS3627-L2MGMT-MIB
	Base syntax	Integer
	Composed syntax	INTEGER
	Access	Read-Write
	Status	Current
	Value list	1 : other(1) 2 : disabled(2) 3 : enabled(3)
	Parent node	swL2PortCtrlEntry
	First child	None
Description	The flow control mechanism is different between full duplex mode and half duplex mode. For half duplex mode, the jamming signal is asserted. For full duplex mode, IEEE 802.3x flow control function sends PAUSE frames and receives PAUSE frames.	

	Object name	swL2PortCtrlLockState
	Object ID	1.3.6.1.4.1.171.11.70.6.2.3.2.1.7
	Module	DGS3627-L2MGMT-MIB
	Base syntax	Integer
	Composed syntax	INTEGER
	Access	Read-Write
	Status	Current
	Value list	1 : other(1) 2 : disabled(2) 3 : enabled(3)
	Parent node	swL2PortCtrlEntry
	First child	None
Description	This object decide the port is locked or not.	

	Object name	swL2PortCtrlMACNotifyState
	Object ID	1.3.6.1.4.1.171.11.70.6.2.3.2.1.8
	Module	DGS3627-L2MGMT-MIB
	Base syntax	Integer
	Composed syntax	INTEGER
	Access	Read-Write
	Status	Current
	Value list	1 : other(1) 2 : disabled(2) 3 : enabled(3)
	Parent node	swL2PortCtrlEntry
	First child	None
Description	This object set each poet MAC notification state.	