

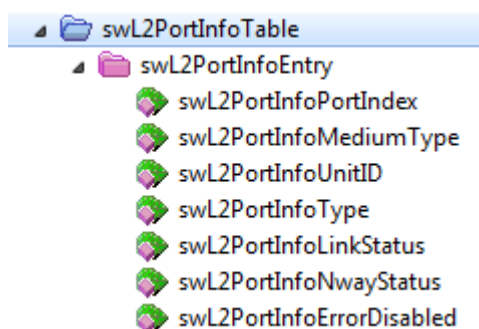
How to get Port Info., Port Control on DGS-3620 Series via SNMP

swL2PortMgmt:

DGS-3620-28TC:	1.3.6.1.4.1.171.11.118.1.2.3
DGS-3620-28SC:	1.3.6.1.4.1.171.11.118.2.2.3
DGS-3620-28PC:	1.3.6.1.4.1.171.11.118.3.2.3
DGS-3620-52T:	1.3.6.1.4.1.171.11.118.4.2.3
DGS-3620-52P:	1.3.6.1.4.1.171.11.118.5.2.3
DGS-3620-28TC-DC:	1.3.6.1.4.1.171.11.118.8.2.3
DGS-3620-28SC-DC:	1.3.6.1.4.1.171.11.118.9.2.3

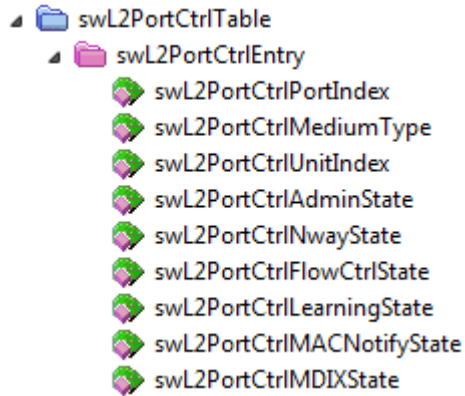
The following example tested by DGS-3620-28PC.

1) swL2PortInfoTable:



Name/ OID	SNMP Command Example for port 7
swL2PortInfoPortIndex 1.3.6.1.4.1.171.11.118.3.2.3.1.1.1	snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.118.3.2.3.1.1.1.7.0
swL2PortInfoMediumType 1.3.6.1.4.1.171.11.118.3.2.3.1.1.2	snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.118.3.2.3.1.1.2.7.0
swL2PortInfoUnitID 1.3.6.1.4.1.171.11.118.3.2.3.1.1.3	snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.118.3.2.3.1.1.3.7.0
swL2PortInfoType 1.3.6.1.4.1.171.11.118.3.2.3.1.1.4	snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.118.3.2.3.1.1.4.7.0
swL2PortInfoLinkStatus 1.3.6.1.4.1.171.11.118.3.2.3.1.1.5	snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.118.3.2.3.1.1.5.7.0
swL2PortInfoNwayStatus 1.3.6.1.4.1.171.11.118.3.2.3.1.1.6	snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.118.3.2.3.1.1.6.7.0
swL2PortInfoErrorDisabled 1.3.6.1.4.1.171.11.118.3.2.3.1.1.8	snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.118.3.2.3.1.1.8.7.0

2) swL2PortCtrlTable:



Name/ OID	SNMP Command Example for port 7
swL2PortCtrlPortIndex 1.3.6.1.4.1.171.11.118.3.2.3.2.1.1	snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.118.3.2.3.2.1.1.7.0
swL2PortCtrlMediumType 1.3.6.1.4.1.171.11.118.3.2.3.2.1.2	snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.118.3.2.3.2.1.2.7.0
swL2PortCtrlUnitIndex 1.3.6.1.4.1.171.11.118.3.2.3.2.1.3	snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.118.3.2.3.2.1.3.7.0
swL2PortCtrlAdminState 1.3.6.1.4.1.171.11.118.3.2.3.2.1.4	snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.118.3.2.3.2.1.4.7.0
swL2PortCtrlNwayState 1.3.6.1.4.1.171.11.118.3.2.3.2.1.5	snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.118.3.2.3.2.1.5.7.0
swL2PortCtrlFlowCtrlState 1.3.6.1.4.1.171.11.118.3.2.3.2.1.6	snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.118.3.2.3.2.1.6.7.0
swL2PortCtrlLearningState 1.3.6.1.4.1.171.11.118.3.2.3.2.1.7	snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.118.3.2.3.2.1.7.7.0
swL2PortCtrlMACNotifyState 1.3.6.1.4.1.171.11.118.3.2.3.2.1.8	snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.118.3.2.3.2.1.8.7.0
swL2PortCtrlMDIXState 1.3.6.1.4.1.171.11.118.3.2.3.2.1.10	snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.118.3.2.3.2.1.10.7.0

Below are snapshots and OIDs using DGS-3620-28PC as an example:

1. swL2PortInfoTable:

```
Name: swL2PortInfoPortIndex
Type: OBJECT-TYPE
OID: 1.3.6.1.4.1.171.11.118.3.2.3.1.1.1
Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).dlink-mgmt(1).DGS-3620-28PC-L2MGMT-MIB
Module: DGS-3620-28PC-L2MGMT-MIB

Parent: swL2PortInfoEntry
Next sibling: swL2PortInfoMediumType

Numerical syntax: Integer (32 bit)
Base syntax: INTEGER
Composed syntax: INTEGER
Status: current
Max access: read-only
Size list: 1: 0..65535

Description: This object indicates the module's port number.(1..Max port number in the module)
```

```
Name: swL2PortInfoMediumType
Type: OBJECT-TYPE
OID: 1.3.6.1.4.1.171.11.118.3.2.3.1.1.2
Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).dlink-mgmt(1).DGS-3620-28PC-L2MGMT-MIB
Module: DGS-3620-28PC-L2MGMT-MIB

Parent: swL2PortInfoEntry
Prev sibling: swL2PortInfoPortIndex
Next sibling: swL2PortInfoUnitID

Numerical syntax: Integer (32 bit)
Base syntax: INTEGER
Composed syntax: INTEGER
Status: current
Max access: read-only
Value list: 1: copper(1)
           2: fiber(2)

Description: Indicates the medium type of the port number.
```

```
Name: swL2PortInfoUnitID
Type: OBJECT-TYPE
OID: 1.3.6.1.4.1.171.11.118.3.2.3.1.1.3
Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).dlink-mgmt(1).DGS-3620-28PC-L2MGMT-MIB
Module: DGS-3620-28PC-L2MGMT-MIB

Parent: swL2PortInfoEntry
Prev sibling: swL2PortInfoMediumType
Next sibling: swL2PortInfoType

Numerical syntax: Integer (32 bit)
Base syntax: INTEGER
Composed syntax: INTEGER
Status: current
Max access: read-only
Size list: 1: 0..65535

Description: Indicates the ID of the unit in the system.
```

Name: swL2PortInfoType
 Type: OBJECT-TYPE
 OID: 1.3.6.1.4.1.171.11.118.3.2.3.1.1.4
 Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).dlink-rgm
 Module: DGS-3620-28PC-L2MGMT-MIB

 Parent: swL2PortInfoEntry
 Prev sibling: swL2PortInfoUnitID
 Next sibling: swL2PortInfoLinkStatus

 Numerical syntax: Integer (32 bit)
 Base syntax: INTEGER
 Composed syntax: INTEGER
 Status: current
 Max access: read-only
 Value list:
 1: portType-none(0)
 2: portType-100Base-T(2)
 3: portType-100Base-X(3)
 4: portType-1000Base-T(4)
 5: portType-1000Base-X(5)
 6: portType-10GBase-R(6)
 7: portType-10GBase-CX4(7)
 8: portType-SIO(8)
 9: portType-module-empty(9)
 10: portType-user-last(10)

Description: This object indicates the connector type of this port.

Name: swL2PortInfoLinkStatus
 Type: OBJECT-TYPE
 OID: 1.3.6.1.4.1.171.11.118.3.2.3.1.1.5
 Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).d
 Module: DGS-3620-28PC-L2MGMT-MIB

 Parent: swL2PortInfoEntry
 Prev sibling: swL2PortInfoType
 Next sibling: swL2PortInfoNwayStatus

 Numerical syntax: Integer (32 bit)
 Base syntax: INTEGER
 Composed syntax: INTEGER
 Status: current
 Max access: read-only
 Value list:
 1: other(1)
 2: link-pass(2)
 3: link-fail(3)

Description: This object indicates the port link status.

Name: swL2PortInfoErrorDisabled
 Type: OBJECT-TYPE
 OID: 1.3.6.1.4.1.171.11.118.3.2.3.1.1.8
 Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).dlink-rgm
 Module: DGS-3620-28PC-L2MGMT-MIB

 Parent: swL2PortInfoEntry
 Prev sibling: swL2PortInfoNwayStatus

 Numerical syntax: Integer (32 bit)
 Base syntax: INTEGER
 Composed syntax: INTEGER
 Status: current
 Max access: read-only
 Value list:
 1: none(0)
 2: storm(1)
 3: stp-lbd(2)
 4: ctp-lbd(3)
 5: ddm(4)
 6: bpdu-protection(5)
 7: unknow(6)

Description: This object indicates the blocking type of this port.

Name: swL2PortCtrlMediumType
 Type: OBJECT-TYPE
 OID: 1.3.6.1.4.1.171.11.118.3.2.3.2.1.2
 Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171)
 Module: DGS-3620-28PC-L2MGMT-MIB

 Parent: swL2PortCtrlEntry
 Prev sibling: swL2PortCtrlPortIndex
 Next sibling: swL2PortCtrlUnitIndex

 Numerical syntax: Integer (32 bit)
 Base syntax: INTEGER
 Composed syntax: INTEGER
 Status: current
 Max access: read-only
 Value list: 1: copper(1)
 2: fiber(2)

 Description: Indicates the medium type of the port number.

Name: swL2PortCtrlUnitIndex
 Type: OBJECT-TYPE
 OID: 1.3.6.1.4.1.171.11.118.3.2.3.2.1.3
 Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171)
 Module: DGS-3620-28PC-L2MGMT-MIB

 Parent: swL2PortCtrlEntry
 Prev sibling: swL2PortCtrlMediumType
 Next sibling: swL2PortCtrlAdminState

 Numerical syntax: Integer (32 bit)
 Base syntax: INTEGER
 Composed syntax: INTEGER
 Status: current
 Max access: read-only
 Size list: 1: 0..65535

 Description: Indicates the ID of the unit in the device

Name: swL2PortCtrlAdminState
 Type: OBJECT-TYPE
 OID: 1.3.6.1.4.1.171.11.118.3.2.3.2.1.4
 Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).dlink-mgmt(1)
 Module: DGS-3620-28PC-L2MGMT-MIB

 Parent: swL2PortCtrlEntry
 Prev sibling: swL2PortCtrlUnitIndex
 Next sibling: swL2PortCtrlNwayState

 Numerical syntax: Integer (32 bit)
 Base syntax: INTEGER
 Composed syntax: INTEGER
 Status: current
 Max access: read-write
 Value list: 1: other(1)
 2: disabled(2)
 3: enabled(3)

 Description: This object decides if the port is enabled or disabled.

Name: swL2PortCtrlNwayState
 Type: OBJECT-TYPE
 OID: 1.3.6.1.4.1.171.11.118.3.2.3.2.1.5
 Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).dlink-mgmt(11).dlink-Dgs-3620-28PC-L2MGMT-MIB
 Module: DGS-3620-28PC-L2MGMT-MIB

Parent: swL2PortCtrlEntry
 Prev sibling: swL2PortCtrlAdminState
 Next sibling: swL2PortCtrlFlowCtrlState

Numerical syntax: Integer (32 bit)
 Base syntax: INTEGER
 Composed syntax: INTEGER
 Status: current
 Max access: read-write
 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-Half(7)
 8: nway-disabled-1Gigabps-Full(8)
 9: nway-disabled-1Gigabps-Full-master(9)
 10: nway-disabled-1Gigabps-Full-slave(10)

Description: Chose the port speed, duplex mode, and N-Way function mode.

Name: swL2PortCtrlFlowCtrlState
 Type: OBJECT-TYPE
 OID: 1.3.6.1.4.1.171.11.118.3.2.3.2.1.6
 Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).dlink-mgmt(11).dlink-Dgs-3620-28PC-L2MGMT-MIB
 Module: DGS-3620-28PC-L2MGMT-MIB

Parent: swL2PortCtrlEntry
 Prev sibling: swL2PortCtrlNwayState
 Next sibling: swL2PortCtrlLearningState

Numerical syntax: Integer (32 bit)
 Base syntax: INTEGER
 Composed syntax: INTEGER
 Status: current
 Max access: read-write
 Value list:
 1: other(1)
 2: disabled(2)
 3: enabled(3)

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, the IEEE 802.3x flow control function sends PAUSE frames and receives PAUSE frames.

Name: swL2PortCtrlLearningState
 Type: OBJECT-TYPE
 OID: 1.3.6.1.4.1.171.11.118.3.2.3.2.1.7
 Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).dlink-mgmt(11).dlink-Dgs-3620-28PC-L2MGMT-MIB
 Module: DGS-3620-28PC-L2MGMT-MIB

Parent: swL2PortCtrlEntry
 Prev sibling: swL2PortCtrlFlowCtrlState
 Next sibling: swL2PortCtrlMACNotifyState

Numerical syntax: Integer (32 bit)
 Base syntax: INTEGER
 Composed syntax: INTEGER
 Status: current
 Max access: read-write
 Value list:
 1: other(1)
 2: disabled(2)
 3: enabled(3)

Description: This object decides if the port is locked or not.

Name: swL2PortCtrlMACNotifyState
Type: OBJECT-TYPE
OID: 1.3.6.1.4.1.171.11.118.3.2.3.2.1.8
Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).dlink-mgmt
Module: DGS-3620-28PC-L2MGMT-MIB
Parent: swL2PortCtrlEntry
Prev sibling: swL2PortCtrlLearningState
Next sibling: swL2PortCtrlMDIXState
Numerical syntax: Integer (32 bit)
Base syntax: INTEGER
Composed syntax: INTEGER
Status: current
Max access: read-write
Value list: 1: other(1)
2: disabled(2)
3: enabled(3)
Description: This object sets each port's MAC notification state.

Name: swL2PortCtrlMDIXState
Type: OBJECT-TYPE
OID: 1.3.6.1.4.1.171.11.118.3.2.3.2.1.10
Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).dlink-mgmt
Module: DGS-3620-28PC-L2MGMT-MIB
Parent: swL2PortCtrlEntry
Prev sibling: swL2PortCtrlMACNotifyState
Numerical syntax: Integer (32 bit)
Base syntax: INTEGER
Composed syntax: INTEGER
Status: current
Max access: read-write
Value list: 1: auto(1)
2: normal(2)
3: cross(3)
Description: This object configures the MDIX setting of the port.