

# How to configure Port Control for DES-3200 Series via SNMP

## 1): **OID for Port control**

The OID is under:

iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).dlink-mgmt(11).dlink-xxxSeries(X).xxxModel(Y).swL2MgmtMIB(1)

**dlink-xxxSeries(X):** For DGS-3200 series, the (x)=113

### **xxxModel(Y):**

DES-3200-26	Y=4	OID is 1.3.6.1.4.1.171.11.113.4
DES-3200-28	Y=5	OID is 1.3.6.1.4.1.171.11.113.5
DES-3200-28P	Y=8	OID is 1.3.6.1.4.1.171.11.113.8
DES-3200-52	Y=9	OID is 1.3.6.1.4.1.171.11.113.9
DES-3200-52P	Y=10	OID is 1.3.6.1.4.1.171.11.113.10

Y=DES-3200-xxxModel W= port number

config ports <portlist> medium\_type >>OID: 1.3.6.1.4.1.171.11.113.Y.1.2.3.2.1.2

Read-only

state >>OID: 1.3.6.1.4.1.171.11.113.Y.1.2.3.2.1.4.W.1 Read-write

Speed >>OID: 1.3.6.1.4.1.171.11.113.Y.1.2.3.2.1.5.W.1 Read-write

flow control >>OID: 1.3.6.1.4.1.171.11.113.Y.1.2.3.2.1.6.W.1 Read-write

learning >>OID: 1.3.6.1.4.1.171.11.113.Y.1.2.3.2.1.7.W.1 Read-write

MAC Notification >>OID: 1.3.6.1.4.1.171.11.113.Y.1.2.3.2.1.8.W.1 Read-write

mdix >>OID: 1.3.6.1.4.1.171.11.113.Y.1.2.3.2.1.10.W.1 Read-write

## **Below are snapshots and OIDs using DGS-3200-52 as an example**

1: Object name swL2PortInfoMediumType

Object OID 1.3.6.1.4.1.171.11.113.9.1.2.3.2.1.2

Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : copper (1) 2 : fiber (2)
Parent node	swL2PortInfoEntry
First child	None
Description	Indicates the medium type of the port number.

2: Object name swL2PortCtrlAdminState

Object OID 1.3.6.1.4.1.171.11.113.9.1.2.3.2.1.4

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 decides if the port is enabled or disabled.

3: Object name swL2PortCtrlNwayState  
Object OID 1.3.6.1.4.1.171.11.113.9.1.2.3.2.1.5

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-Half(7) 8 : nway-disabled-1Gigabps-Full(8) 9 : nway-disabled-1Gigabps-Full-master(9) 10 : nway-disabled-1Gigabps-Full-slave(10)
Parent node	swL2PortCtrlEntry
First child	None
Description	Chose the port speed, duplex mode, and N-Way function mode.

4: Object name swL2PortCtrlFlowCtrlState  
Object OID 1.3.6.1.4.1.171.11.113.9.1.2.3.2.1.6

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

**5:** Object name swL2PortCtrlLearningState  
Object OID 1.3.6.1.4.1.171.11.113.9.1.2.3.2.1.7

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 decides if the port is locked or not.

**6:** Object name swL2PortCtrlMACNotifyState  
Object OID 1.3.6.1.4.1.171.11.113.9.1.2.3.2.1.8

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 sets each port's MAC notification state.

**7:** Object name swL2PortCtrlMDIXState  
Object OID 1.3.6.1.4.1.171.11.113.9.1.2.3.2.1.10

Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : auto(1) 2 : normal(2) 3 : cross(3)
Parent node	swL2PortCtrlEntry
First child	None
Description	This object configures the MDIX setting of the port.