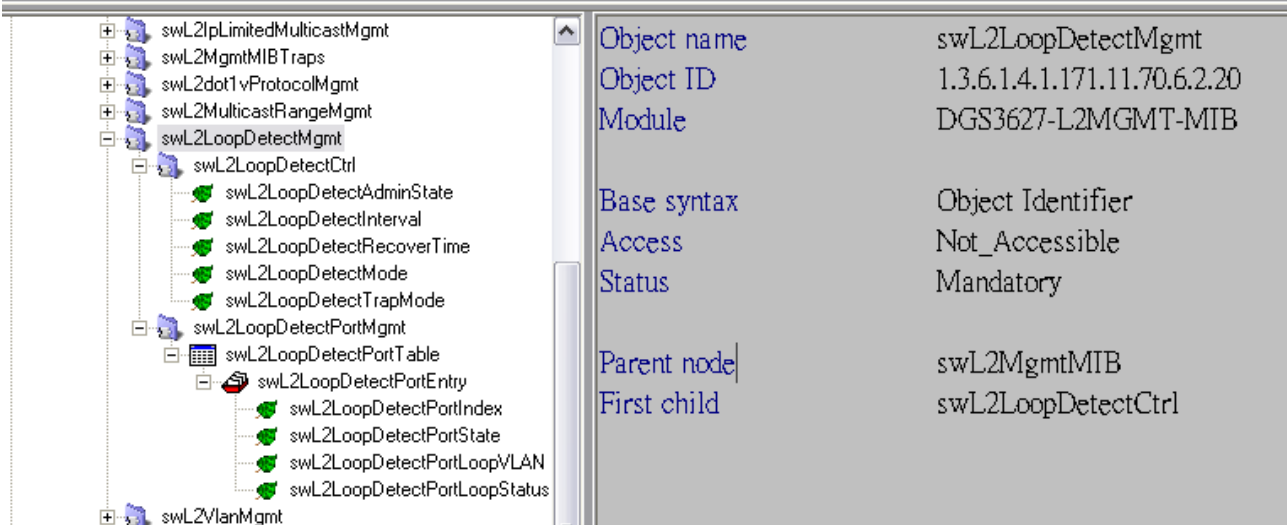


DGS-36XX – Loop Back Detection MIB

1. DGS-3627



Object name	swL2LoopDetectMgmt
Object ID	1.3.6.1.4.1.171.11.70.6.2.20
Module	DGS3627-L2MGMT-MIB
Base syntax	Object Identifier
Access	Not_Accessible
Status	Mandatory
Parent node	swL2MgmtMIB
First child	swL2LoopDetectCtrl

* MIB:: DGS3627-L2MGMT-MIB -> swL2LoopDetectMgmt

* OID:: 1.3.6.1.4.1.171.11.70.6.2.20

1.1) swL2LoopDetectCtrl

a) swL2LoopDetectAdminState

Object name	swL2LoopDetectAdminState
Object ID	1.3.6.1.4.1.171.11.70.6.2.20.1.1
Module	DGS3627-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : enabled(1) 2 : disabled(2)
Parent node	swL2LoopDetectCtrl
First child	None
Description	This object indicates the loopback detection status for the system.

::Command:

```
# snmpwalk -c private -v2c 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.20.1.1.0
```

```
# snmpset -c private -v2c 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.20.1.1.0 i 1
```

b) swL2LoopDetectInterval

Object name	swL2LoopDetectInterval
Object ID	1.3.6.1.4.1.171.11.70.6.2.20.1.2
Module	DGS3627-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : 1..32767
Parent node	swL2LoopDetectCtrl
First child	None
Description	This object indicates the interval value, the range is from 1 to 32767 seconds.

::Command:

```
# snmpwalk -c private -v2c 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.20.1.2.0
```

```
# snmpset -c private -v2c 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.20.1.2.0 i 200
```

C) swL2LoopDetectRecoverTime

Object name	swL2LoopDetectRecoverTime
Object ID	1.3.6.1.4.1.171.11.70.6.2.20.1.3
Module	DGS3627-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : 0..1000000
Parent node	swL2LoopDetectCtrl
First child	None
Description	This object indicates the recover time, the range is from 60 to 1000000. The value of 0 disables the recover function.

::Command:

```
# snmpwalk -c private -v2c 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.20.1.3
```

```
# snmpset -c private -v2c 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.20.1.3.0 i 200
```

d) swL2LoopDetectMode

Object name	swL2LoopDetectMode
Object ID	1.3.6.1.4.1.171.11.70.6.2.20.1.4
Module	DGS3627-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : vlan-based(1) 2 : port-based(2)
Parent node	swL2LoopDetectCtrl
First child	None
Description	This object indicates the loopback detection mode for the system.

::Command:

```
# snmpwalk -c private -v2c 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.20.1.4.0  
# snmpset -c private -v2c 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.20.1.4.0 i 2
```

e) swL2LoopDetectTrapMode

Object name	swL2LoopDetectTrapMode
Object ID	1.3.6.1.4.1.171.11.70.6.2.20.1.5
Module	DGS3627-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : none(1) 2 : loop_detected(2) 3 : loop_cleared(3) 4 : both(4)
Parent node	swL2LoopDetectCtrl
First child	None
Description	This object indicates the loopback detection trap mode for the system.

::Command:

```
# snmpwalk -c private -v2c 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.20.1.5.0  
# snmpset -c private -v2c 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.20.1.5.0 i 2
```

1.2) swL2LoopDetectPortMgmt

1.2.1) swL2LoopDetectPortTable

a) swL2LoopDetectPortIndex

Object name	swL2LoopDetectPortIndex
Object ID	1.3.6.1.4.1.171.11.70.6.2.20.2.1.1.1
Module	DGS3627-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : 1..65535
Parent node	swL2LoopDetectPortEntry
First child	None
Description	This object indicates the module's port number. The range is from 1 to the maximum port number specified in the module

::Command:

```
# snmpwalk -c private -v2c 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.20.2.1.1.1.1  
(1 =Port Number)
```

b) swL2LoopDetectPortState

Object name	swL2LoopDetectPortState
Object ID	1.3.6.1.4.1.171.11.70.6.2.20.2.1.1.2
Module	DGS3627-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : enabled(1) 2 : disabled(2)
Parent node	swL2LoopDetectPortEntry
First child	None
Description	This object indicates the loopback detection function state on the port.

::Command:

```
# snmpwalk -c private -v2c 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.20.2.1.1.2.1  
(1 =Port Number)  
# snmpset -c private -v2c 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.20.2.1.1.2.1 i  
1 (1 =Port Number)
```

c) swL2LoopDetectPortLoopVLAN

Object name	swL2LoopDetectPortLoopVLAN
Object ID	1.3.6.1.4.1.171.11.70.6.2.20.2.1.1.3
Module	DGS3627-L2MGMT-MIB
Base syntax	Octet String
Composed syntax	DisplayString
Access	Read-Only
Status	Current
Value list	1 : 0..255
Parent node	swL2LoopDetectPortEntry
First child	None
Description	This object indicates the VLAN list that has detected a loopback.

::Command:

```
# snmpwalk -c private -v2c 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.20.2.1.1.3.1  
(1 =Port Number)
```

d) swL2LoopDetectPortLoopStatus

Object name	swL2LoopDetectPortLoopStatus
Object ID	1.3.6.1.4.1.171.11.70.6.2.20.2.1.1.4
Module	DGS3627-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : normal(1) 2 : loop(2) 3 : error(3) 4 : none(4)
Parent node	swL2LoopDetectPortEntry
First child	None
Description	This object indicates the port status.

::Command:

```
# snmpwalk -c private -v2c 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.20.2.1.1.4.1  
(1 =Port Number)
```

2. DGS-3627G

Object name	swL2LoopDetectMgmt
Object ID	1.3.6.1.4.1.171.11.70.8.2.20
Module	DGS3627G-L2MGMT-MIB
Base syntax	Object Identifier
Access	Not_Accessible
Status	Mandatory
Parent node	swL2MgmtMIB
First child	swL2LoopDetectCtrl

2.1) swL2LoopDetectCtrl

a) swL2LoopDetectAdminState

OID: 1.3.6.1.4.1.171.11.70.8.2.20.1.1

b) swL2LoopDetectInterval

OID: 1.3.6.1.4.1.171.11.70.8.2.20.1.2

c) swL2LoopDetectRecoverTime

OID: 1.3.6.1.4.1.171.11.70.8.2.20.1.3

d) swL2LoopDetectMode

OID: 1.3.6.1.4.1.171.11.70.8.2.20.1.4

e) swL2LoopDetectTrapMode

OID: 1.3.6.1.4.1.171.11.70.8.2.20.1.5

2.2) swL2LoopDetectPortMgmt

2.2.1) swL2LoopDetectPortTable

a) swL2LoopDetectPortIndex

OID: 1.3.6.1.4.1.171.11.70.8.2.20.2.1.1.1

b) swL2LoopDetectPortState

OID: 1.3.6.1.4.1.171.11.70.8.2.20.2.1.1.2

c) swL2LoopDetectPortLoopVLAN

OID: 1.3.6.1.4.1.171.11.70.8.2.20.2.1.1.3

d) swL2LoopDetectPortLoopStatus

OID: 1.3.6.1.4.1.171.11.70.8.2.20.2.1.1.4

3. DGS-3612

Object name	swL2LoopDetectMgmt
Object ID	1.3.6.1.4.1.171.11.70.10.2.20
Module	DGS3612-L2MGMT-MIB
Base syntax	Object Identifier
Access	Not_Accessible
Status	Mandatory
Parent node	swL2MgmtMIB
First child	swL2LoopDetectCtrl

3.1) swL2LoopDetectCtrl

a) swL2LoopDetectAdminState

OID: 1.3.6.1.4.1.171.11.70.10.2.20.1.1

b) swL2LoopDetectInterval

OID: 1.3.6.1.4.1.171.11.70.10.2.20.1.2

c) swL2LoopDetectRecoverTime

OID: 1.3.6.1.4.1.171.11.70.10.2.20.1.3

d) swL2LoopDetectMode

OID: 1.3.6.1.4.1.171.11.70.10.2.20.1.4

e) swL2LoopDetectTrapMode

OID: 1.3.6.1.4.1.171.11.70.10.2.20.1.5

3.2) swL2LoopDetectPortMgmt

3.2.1) swL2LoopDetectPortTable

a) swL2LoopDetectPortIndex

OID: 1.3.6.1.4.1.171.11.70.10.2.20.2.1.1.1

b) swL2LoopDetectPortState

OID: 1.3.6.1.4.1.171.11.70.10.2.20.2.1.1.2

c) swL2LoopDetectPortLoopVLAN

OID: 1.3.6.1.4.1.171.11.70.10.2.20.2.1.1.3

d) swL2LoopDetectPortLoopStatus

OID: 1.3.6.1.4.1.171.11.70.10.2.20.2.1.1.4

4. DGS-3612G

Object name	swL2LoopDetectMgmt
Object ID	1.3.6.1.4.1.171.11.70.9.2.20
Module	DGS3612G-L2MGMT-MIB
Base syntax	Object Identifier
Access	Not_Accessible
Status	Mandatory
Parent node	swL2MgmtMIB
First child	swL2LoopDetectCtrl

4.1) swL2LoopDetectCtrl

a) swL2LoopDetectAdminState

OID: 1.3.6.1.4.1.171.11.70.9.2.20.1.1

b) swL2LoopDetectInterval

OID: 1.3.6.1.4.1.171.11.70.9.2.20.1.2

c) swL2LoopDetectRecoverTime

OID: 1.3.6.1.4.1.171.11.70.9.2.20.1.3

d) swL2LoopDetectMode

OID: 1.3.6.1.4.1.171.11.70.9.2.20.1.4

e) swL2LoopDetectTrapMode

OID: 1.3.6.1.4.1.171.11.70.9.2.20.1.5

4.2) swL2LoopDetectPortMgmt

4.2.1) swL2LoopDetectPortTable

a) swL2LoopDetectPortIndex

OID: 1.3.6.1.4.1.171.11.70.9.2.20.2.1.1.1

b) swL2LoopDetectPortState

OID: 1.3.6.1.4.1.171.11.70.9.2.20.2.1.1.2

c) swL2LoopDetectPortLoopVLAN

OID: 1.3.6.1.4.1.171.11.70.9.2.20.2.1.1.3

d) swL2LoopDetectPortLoopStatus

OID: 1.3.6.1.4.1.171.11.70.9.2.20.2.1.1.4

5. DGS-3650

Object name	swL2LoopDetectMgmt
Object ID	1.3.6.1.4.1.171.11.70.5.2.20
Module	DGS3650-L2MGMT-MIB
Base syntax	Object Identifier
Access	Not_Accessible
Status	Mandatory
Parent node	swL2MgmtMIB
First child	swL2LoopDetectCtrl

5.1) swL2LoopDetectCtrl

a) swL2LoopDetectAdminState

OID: 1.3.6.1.4.1.171.11.70.5.2.20.1.1

b) swL2LoopDetectInterval

OID: 1.3.6.1.4.1.171.11.70.5.2.20.1.2

c) swL2LoopDetectRecoverTime

OID: 1.3.6.1.4.1.171.11.70.5.2.20.1.3

d) swL2LoopDetectMode

OID: 1.3.6.1.4.1.171.11.70.5.2.20.1.4

e) swL2LoopDetectTrapMode

OID: 1.3.6.1.4.1.171.11.70.5.2.20.1.5

5.2) swL2LoopDetectPortMgmt

5.2.1) swL2LoopDetectPortTable

a) swL2LoopDetectPortIndex

OID: 1.3.6.1.4.1.171.11.70.5.2.20.2.1.1.1

b) swL2LoopDetectPortState

OID: 1.3.6.1.4.1.171.11.70.5.2.20.2.1.1.2

c) swL2LoopDetectPortLoopVLAN

OID: 1.3.6.1.4.1.171.11.70.5.2.20.2.1.1.3

d) swL2LoopDetectPortLoopStatus

OID: 1.3.6.1.4.1.171.11.70.5.2.20.2.1.1.4