

How to use Net-SNMP to view the Port Drop Counter Table on DGS-3627

MIB: DGS3627-L2MGMT-MIB -> swL2PortDropCounterTable

OID: 1.3.6.1.4.1.171.11.70.6.2.3.9

Cmd: snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.3.9

The screenshot shows the MIB Tree on the left and the Object Information pane on the right. The MIB Tree is expanded to show the path: iso > org > 3627 > L2MGMT-MIB > swL2PortDropCounterTable. The Object Information pane displays the following details for swL2PortDropCounterTable:

Object name	swL2PortDropCounterTable
Object ID	1.3.6.1.4.1.171.11.70.6.2.3.9
Module	DGS3627-L2MGMT-MIB
Base syntax	Sequence Of swL2PortDropCounterEntry
Access	Not_Accessible
Status	Current
Sequence	1:swL2PortDropCounterPortIndex - Integer 2:swL2PortBufferFullDrops - Counter 3:swL2PortACLDrops - Counter 4:swL2PortMulticastDrops - Counter 5:swL2PortVLANIngressDrops - Counter
Parent node	swL2PortMgmt
First child	swL2PortDropCounterEntry
Description	A table that contains information for each port drop counter.

- swL2PortDropCounterEntry

⇒ swL2PortDropCounterPortIndex

Command (on **Port 1**):

```
#snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.3.9.1.1
```

Object name	swL2PortDropCounterPortIndex
Object ID	1.3.6.1.4.1.171.11.70.6.2.3.9.1.1
Module	DGS3627-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : 0.65535
Parent node	swL2PortDropCounterEntry
First child	None
Description	This object indicates the module's port number.(1..Max port number in the module)

⇒ swL2PortBufferFullDrops

Command (on **Port 1**):

```
#snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.3.9.1.2.1
```

Object name	swL2PortBufferFullDrops
Object ID	1.3.6.1.4.1.171.11.70.6.2.3.9.1.2
Module	DGS3627-L2MGMT-MIB
Base syntax	Counter
Composed syntax	Counter
Access	Read-Only
Status	Current
Parent node	swL2PortDropCounterEntry
First child	None
Description	The total number of packets discarded while buffer full.

⇒ swL2PortACLDrops

Command (on **Port 1**):

```
#snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.3.9.1.3.1
```

Object name	swL2PortACLDrops
Object ID	1.3.6.1.4.1.171.11.70.6.2.3.9.1.3
Module	DGS3627-L2MGMT-MIB
Base syntax	Counter
Composed syntax	Counter
Access	Read-Only
Status	Current
Parent node	swL2PortDropCounterEntry
First child	None
Description	The total number of packets denied by ACLs.

⇒ swL2PortMulticastDrops

Command (on Port 1):

```
#snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.3.9.1.4.1
```

Object name	swL2PortMulticastDrops
Object ID	1.3.6.1.4.1.171.11.70.6.2.3.9.1.4
Module	DGS3627-L2MGMT-MIB
Base syntax	Counter
Composed syntax	Counter
Access	Read-Only
Status	Current
Parent node	swL2PortDropCounterEntry
First child	None
Description	The total number of multicast packet that is discarded.

⇒ swL2PortVLANIngressDrops

Command (on Port 1):

```
#snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.70.6.2.3.9.1.5.1
```

Object name	swL2PortVLANIngressDrops
Object ID	1.3.6.1.4.1.171.11.70.6.2.3.9.1.5
Module	DGS3627-L2MGMT-MIB
Base syntax	Counter
Composed syntax	Counter
Access	Read-Only
Status	Current
Parent node	swL2PortDropCounterEntry
First child	None
Description	The total number of packets discarded by VLAN ingress checking.