

How to get **Port ErrDisabled State** via NETSNMP in **DES-3200 C** series?

The OIDs are defined in "**swL2PortErrTable**" of "**DES3200-XX-L2mgmt-MIB.mib**".

And the related OID for DES-3200 C Series

- 1.3.6.1.4.1.171.11.113.4.1.2.3.7 => DES-3200-26
- 1.3.6.1.4.1.171.11.113.5.1.2.3.7 => DES-3200-28
- 1.3.6.1.4.1.171.11.113.8.1.2.3.7 => DES-3200-28P
- 1.3.6.1.4.1.171.11.113.9.1.2.3.7 => DES-3200-52
- 1.3.6.1.4.1.171.11.113.10.1.2.3.7 => DES-3200-52P

The following example is **DES-3200-26**:

swL2PortErrTable (1.3.6.1.4.1.171.11.113.4.1.2.3.7)

Object name	swL2PortErrTable
Object ID	1.3.6.1.4.1.171.11.113.4.1.2.3.7
Module	DES3200-26-L2MGMT-MIB
Base syntax	Sequence Of swL2PortErrEntry
Access	Not_Accessible
Status	Current
Sequence	1:swL2PortErrPortIndex - Integer 2:swL2PortErrPortState - Integer 3:swL2PortErrPortConnStatus - Integer 4:swL2PortErrPortReason - Integer
Parent node	swL2PortMgmt
First child	swL2PortErrEntry
Description	A table that contains error information for each port.

Suppose the port ErrDisabled state as below, how to get this information?

```
DES-3200-26:admin#show ports err_disabled
Command: show ports err_disabled
```

Port	Port State	Connection Status	Reason
10	Enabled	Err-Disabled	CTP LBD

Description:

1) Port Number

```
Object name      swL2PortErrPortIndex
Object ID       1.3.6.1.4.1.171.11.113.4.1.2.3.7.1.1
Module          DES3200-26-L2MGMT-MIB

Base syntax     Integer
Composed syntax INTEGER
Access         Read-Only
Status         Current
Value list     1 : 0.65535

Parent node     swL2PortErrEntry
First child    None
Description    This object indicates the module's port number (1..Max port number in
               the module).
```

For example:

snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.4.1.2.3.7.1.1

```
C:\>snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.4.1.2.3.7.1.1
SNMPv2-SMI::enterprises.171.11.113.4.1.2.3.7.1.1.10 = INTEGER: 10
```

2) Port State

```
Object name      swL2PortErrPortState
Object ID       1.3.6.1.4.1.171.11.113.4.1.2.3.7.1.2
Module          DES3200-26-L2MGMT-MIB

Base syntax     Integer
Composed syntax INTEGER
Access         Read-Only
Status         Current
Value list     1 : enabled(1)
               2 : disabled(2)

Parent node     swL2PortErrEntry
First child    None
Description    This object indicates if the port state is enabled or disabled.
```

For example:

snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.4.1.2.3.7.1.2

```
C:\>snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.4.1.2.3.7.1.2
SNMPv2-SMI::enterprises.171.11.113.4.1.2.3.7.1.2.10 = INTEGER: 1
```

3) Connection Status

Object name	swL2PortErrPortConnStatus
Object ID	1.3.6.1.4.1.171.11.113.4.1.2.3.7.1.3
Module	DES3200-26-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : other(1) 2 : err-disabled(2)
Parent node	swL2PortErrEntry
First child	None
Description	This object indicates whether the Port Status is err-disabled or not.

For example:

```
snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.4.1.2.3.7.1.3
```

```
C:\>snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.4.1.2.3.7.1.3  
SNMPv2-SMI::enterprises.171.11.113.4.1.2.3.7.1.3.10 = INTEGER: 2
```

4) Disabled Reason

Object name	swL2PortErrPortReason
Object ID	1.3.6.1.4.1.171.11.113.4.1.2.3.7.1.4
Module	DES3200-26-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : stp-lbd(1) 2 : storm-control(2) 3 : ctp-lbd(3)
Parent node	swL2PortErrEntry
First child	None
Description	This object describes if the reason for the port error is STP LBD or Storm control.

For example:

```
snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.4.1.2.3.7.1.4
```

```
C:\>snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.4.1.2.3.7.1.4  
SNMPv2-SMI::enterprises.171.11.113.4.1.2.3.7.1.4.10 = INTEGER: 3
```