

How to get **Port ErrDisabled State** via NETSNMP in **DES-3200 A1/B1** series?

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

And the related OID for DES-3200 **A1/B1** Series

- 1.3.6.1.4.1.171.11.113.1.1.2.2.3 => DES-3200-10
- 1.3.6.1.4.1.171.11.113.1.2.2.2.3 => DES-3200-18
- 1.3.6.1.4.1.171.11.113.1.3.2.2.3 => DES-3200-28
- 1.3.6.1.4.1.171.11.113.1.4.2.2.3 => DES-3200-28F
- 1.3.6.1.4.1.171.11.113.1.5.2.2.3 => DES-3200-26

The following example is **DES-3200-28**:

swL2PortErrTable (1.3.6.1.4.1.171.11.113.1.3.2.2.3)

Object name	swL2PortErrTable
Object ID	1.3.6.1.4.1.171.11.113.1.3.2.2.3
Module	DES3200-28-L2MGMT-MIB
Base syntax	Sequence Of swL2PortErrEntry
Access	Not_Accessible
Status	Current
Sequence	1:swL2PortErrPortIndex - Integer 2:swL2PortErrPortState - Integer 3:swL2PortErrPortStatus - Integer 4:swL2PortErrPortReason - Integer 5:swL2PortErrDescription - Octet String
Parent node	swL2PortMgmt
First child	swL2PortErrEntry
Description	A table that contains information about the Err port.

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

```
DES-3200-28:5#show ports err_disabled
Command: show ports err_disabled
```

Port	Port State	Connection status	Reason
10	Enabled Desc:	Err-Disabled	Loopdetect

1) Port Number

```
Object name      swL2PortEnPortIndex
Object ID       1.3.6.1.4.1.171.11.113.1.3.2.2.3.1.1
Module         DES3200-28-L2MGMT-MIB

Base syntax     Integer
Composed syntax INTEGER
Access         Read-Only
Status         Current
Value list     1 : 1..255

Parent node     swL2PortEnEntry
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 1.3.6.1.4.1.171.11.113.1.3.2.2.3.1.1

```
C:\>snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.2.3.1.1
SNMPv2-SMI::enterprises.171.11.113.1.3.2.2.3.1.1.10 = INTEGER: 10
```

2) Port State

```
Object name      swL2PortEnPortState
Object ID       1.3.6.1.4.1.171.11.113.1.3.2.2.3.1.2
Module         DES3200-28-L2MGMT-MIB

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

Parent node     swL2PortEnEntry
First child     None
Description     This object decides whether the port state is enabled or disabled.
```

For example:

snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.2.3.1.2

```
C:\>snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.2.3.1.2
SNMPv2-SMI::enterprises.171.11.113.1.3.2.2.3.1.2.10 = INTEGER: 2
```

3) Connection Status

Object name	swL2PortEnPortStatus
Object ID	1.3.6.1.4.1.171.11.113.1.3.2.2.3.1.3
Module	DES3200-28-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : other(1) 2 : err-disabled(2)
Parent node	swL2PortEnEntry
First child	None
Description	This object decides whether the PortStatus is err-disabled.

For example:

```
snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.2.3.1.3
```

```
C:\>snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.2.3.1.3  
SNMPv2-SMI::enterprises.171.11.113.1.3.2.2.3.1.3.10 = INTEGER: 2
```

4) Disabled Reason

Object name	swL2PortEnPortReason
Object ID	1.3.6.1.4.1.171.11.113.1.3.2.2.3.1.4
Module	DES3200-28-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : none(0) 2 : stp-lbd(1) 3 : storm-control(2) 4 : storm-control-lbd(3) 5 : loopdetect(4)
Parent node	swL2PortEnEntry
First child	None
Description	This object decides whether the PortStatus STP is LBD or Storm control.

For example:

```
snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.2.3.1.4
```

```
C:\>snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.2.3.1.4  
SNMPv2-SMI::enterprises.171.11.113.1.3.2.2.3.1.4.10 = INTEGER: 4
```

5) Error Description

Object name	swL2PortEnDescription
Object ID	1.3.6.1.4.1.171.11.113.1.3.2.2.3.1.5
Module	DES3200-28-L2MGMT-MIB
Base syntax	Octet String
Composed syntax	DisplayString
Access	Read-Only
Status	Current
Value list	1:0.32
Parent node	swL2PortEnEntry
First child	None
Description	The object describes the ports in text.

For example:

```
snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.2.3.1.5
```

```
C:\>snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.2.3.1.5
SNMPv2-SMI::enterprises.171.11.113.1.3.2.2.3.1.5.10 = Hex-STRING: 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
```