

## How to use SNMP to achive show env in DGS-3200-24

For DGS-3200-24 (Build 1.62.B017):

```
DGS-3200-24:4#show environment
Command: show environment

Internal Power      External Power      Left Fan      Temperature
-----
                Active                Fail                OK                34
                (Celsius)

Note: The warning temperature is above 80 degrees.
```

```
C:\Windows\system32>snmpwalk -v2c -c public 192.168.1.1 1.3.6.1.4.1.171.12.11.1.7.1.3
```

```
SNMPv2-SMI::enterprises.171.12.11.1.7.1.3.0.1 = INTEGER: 1
```

Object name	swFanStatus
Object ID	1.3.6.1.4.1.171.12.11.1.7.1.3
Module	EQUIPMENT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : other(0) 2 : working(1) 3 : fail(2) 4 : notWork(3)
Parent node	swFanEntry
First child	None
Description	Indicates the current fan status.

```
C:\Windows\system32>snmpwalk -v2c -c public 192.168.1.1 1.3.6.1.4.1.171.12.11.1.8.1.2
```

```
SNMPv2-SMI::enterprises.171.12.11.1.8.1.2.1 = INTEGER: 35
```

Object name	swTemperatureCurrent
Object ID	1.3.6.1.4.1.171.12.11.1.8.1.2
Module	EQUIPMENT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : -500..500
Parent node	swTemperatureEntry
First child	None
Description	The shelf current temperature.

```
C:\Windows\system32>snmpwalk -v2c -c public 192.168.1.1 1.3.6.1.4.1.171.12.11.1.8.1.3
```

```
SNMPv2-SMI::enterprises.171.12.11.1.8.1.3.1 = INTEGER: 80
```

Object name	swTemperatureHighThresh
Object ID	1.3.6.1.4.1.171.12.11.1.8.1.3
Module	EQUIPMENT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : -500..500
Parent node	swTemperatureEntry
First child	None
Description	The high threshold of shelf temperature.

```
C:\>snmpwalk -v2c -c public 192.168.1.1 1.3.6.1.4.1.171.12.11.1.6.1.3.0.1
```

```
SNMPv2-SMI::enterprises.171.12.11.1.6.1.3.0.1 = INTEGER: 3
```

```
C:\>snmpwalk -v2c -c public 192.168.1.1 1.3.6.1.4.1.171.12.11.1.6.1.3.0.2
```

```
SNMPv2-SMI::enterprises.171.12.11.1.6.1.3.0.2 = INTEGER: 4
```

the "1" and "2" are power ID, and "1" is "Internal Power", "2" is "External Power"

```
C:\>snmpwalk -v2c -c public 192.168.1.1 1.3.6.1.4.1.171.12.11.1.6.1.3.0.1
SNMPv2-SMI::enterprises.171.12.11.1.6.1.3.0.1 = INTEGER: 3

C:\>snmpwalk -v2c -c public 192.168.1.1 1.3.6.1.4.1.171.12.11.1.6.1.3.0.2
SNMPv2-SMI::enterprises.171.12.11.1.6.1.3.0.2 = INTEGER: 4
```

Object name	swPowerStatus
Object ID	1.3.6.1.4.1.171.12.11.1.6.1.3
Module	EQUIPMENT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	<ul style="list-style-type: none"> <li>1 : other(0)</li> <li>2 : lowVoltage(1)</li> <li>3 : overCurrent(2)</li> <li>4 : working(3)</li> <li>5 : fail(4)</li> <li>6 : connect(5)</li> <li>7 : disconnect(6)</li> </ul>
Parent node	swPowerEntry
First child	None
Description	<p>Indicates the current power status.</p> <p>lowVoltage : The voltage of the power unit is too low.</p> <p>overCurrent: The current of the power unit is too high.</p> <p>working : The power unit is working normally.</p> <p>fail : The power unit has failed.</p> <p>connect : The power unit is connected but not powered.</p> <p>disconnect : The power unit is not connected.</p>

Internal Power

External Power

-----  
Active

-----  
Fail