

## How to use SNMP - Fan Status on DES-3800 series

MIB : DLINK-EQUIPMENT-MIB ( dlkEquipment.mib in DES-3800\_v4.50.B12.mib on PMD site )  
 DES-3852 as test device

:: Name: swFanTable  
 :: OID: 1.3.6.1.4.1.171.12.11.1.7  
 :: Module: EQUIPMENT-MIB

The screenshot shows a MIB browser window titled 'EQUIPMENT-MIB'. On the left is a 'MIB Tree' view showing a hierarchy: iso > swEquipmentMIB > swEquipment > swFanTable. Other nodes under swEquipment include swEquipmentCapacity, swEquipmentStackMode, swPowerTable, swUnitMgmt, and swEquipmentNotify. Under swFanTable are swFanEntry, swFanUnitIndex, swFanID, and swFanStatus. On the right, a details pane for 'swFanTable' is displayed with the following information:

Object name	swFanTable
Object ID	1.3.6.1.4.1.171.12.11.1.7
Module	EQUIPMENT-MIB
Base syntax	Sequence Of swFanEntry
Access	Not_Accessible
Status	Current
Sequence	1:swFanUnitIndex - Integer 2:swFanID - Integer 3:swFanStatus - Integer
Parent node	swEquipment
First child	swFanEntry
Description	A list of fan information values.

0: swFanEntry

The screenshot shows a details pane for 'swFanEntry' with the following information:

Object name	swFanEntry
Object ID	1.3.6.1.4.1.171.12.11.1.7.1
Module	EQUIPMENT-MIB
Base syntax	Sequence
Access	Not_Accessible
Status	Current
Index	1.swFanUnitIndex 2.swFanID
Parent node	swFanTable
First child	swFanUnitIndex
Description	A entry of fan information values.

OID: 1.3.6.1.4.1.171.12.11.1.7.1

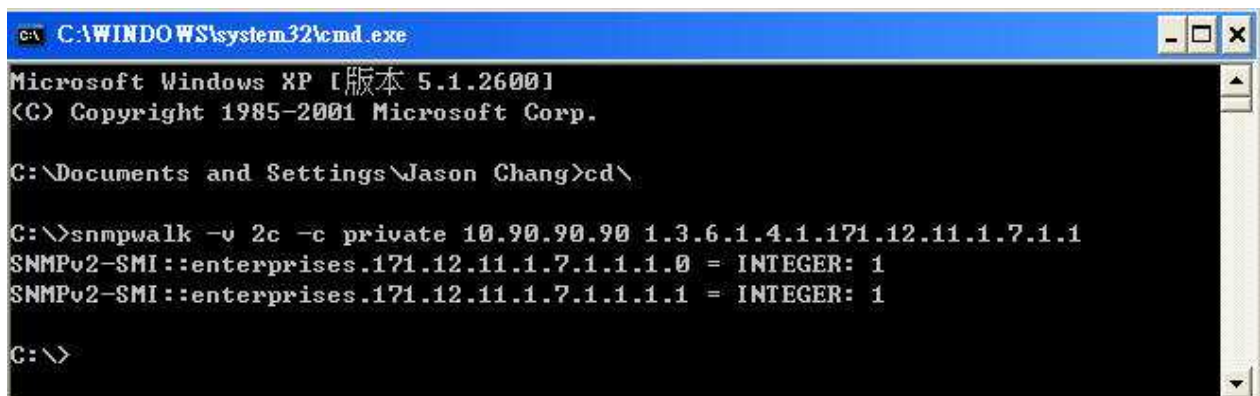
Command: snmpwalk -c private -v 2c 10.90.90.90 1.3.6.1.4.1.171.12.11.1.7.1

## 1: swFanUnitIndex – Integer

Object name	swFanUnitIndex
Object ID	1.3.6.1.4.1.171.12.11.1.7.1.1
Module	EQUIPMENT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : 0..65535
Parent node	swFanEntry
First child	None
Description	Indicates the unit ID in the System.

OID: 1.3.6.1.4.1.171.12.11.1.7.1.1

Command: snmpwalk -c private -v 2c 10.90.90.90 1.3.6.1.4.1.171.12.11.1.7.1.1



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [版本 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\Jason Chang>cd\

C:\>snmpwalk -v 2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.11.1.7.1.1
SNMPv2-SMI::enterprises.171.12.11.1.7.1.1.1.0 = INTEGER: 1
SNMPv2-SMI::enterprises.171.12.11.1.7.1.1.1.1 = INTEGER: 1

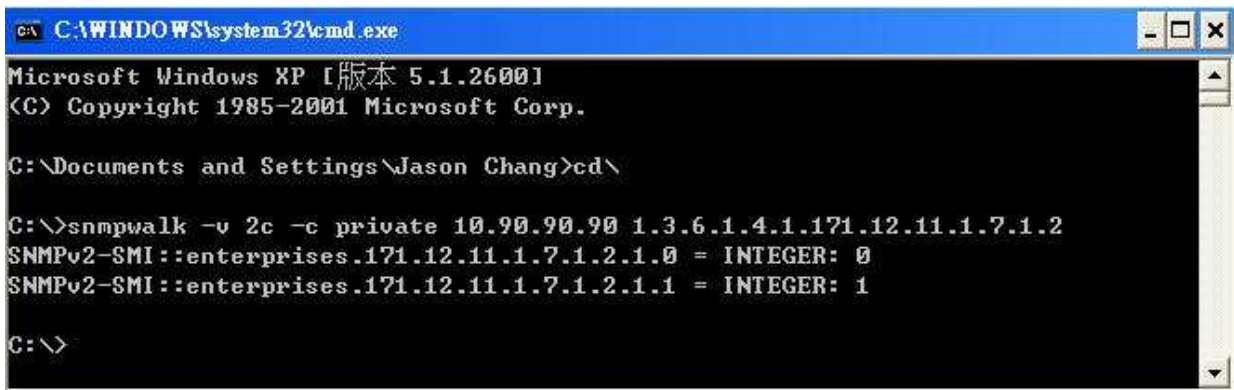
C:\>
```

## 2: swFanID – Integer

Object name	swFanID
Object ID	1.3.6.1.4.1.171.12.11.1.7.1.2
Module	EQUIPMENT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : 0..65535
Parent node	swFanEntry
First child	None
Description	Indicates the unit ID.

OID: 1.3.6.1.4.1.171.12.11.1.7.1.2

Command: snmpwalk -c private -v 2c 10.90.90.90 1.3.6.1.4.1.171.12.11.1.7.1.2



```
C:\WINDOWS\system32\cmd.exe
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C:\>snmpwalk -v 2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.11.1.7.1.2
SNMPv2-SMI::enterprises.171.12.11.1.7.1.2.1.0 = INTEGER: 0
SNMPv2-SMI::enterprises.171.12.11.1.7.1.2.1.1 = INTEGER: 1

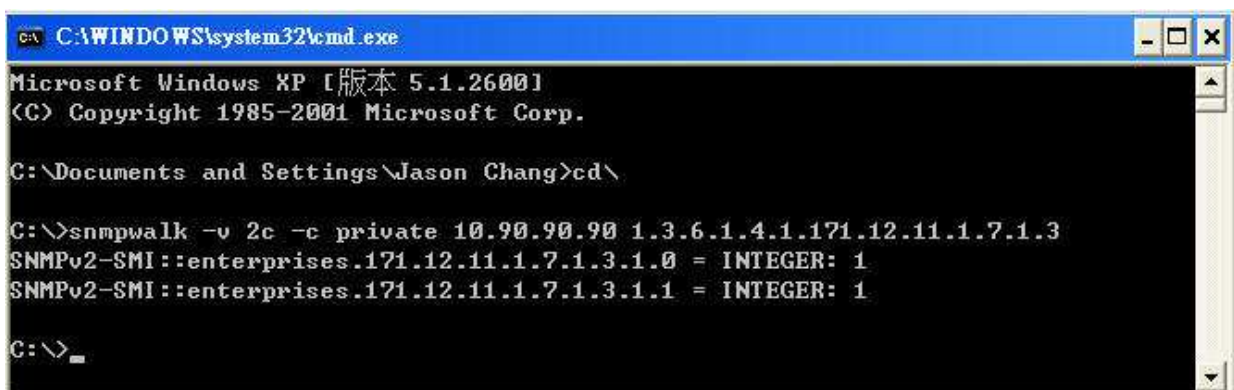
C:\>
```

### 3: swFanStatus – Integer

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)
Parent node	swFanEntry
First child	None
Description	Indicates the current fan status.

OID: 1.3.6.1.4.1.171.12.11.1.7.1.3

Command: snmpwalk -c private -v 2c 10.90.90.90 1.3.6.1.4.1.171.12.11.1.7.1.3



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [版本 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\Jason Chang>cd\

C:\>snmpwalk -v 2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.11.1.7.1.3
SNMPv2-SMI::enterprises.171.12.11.1.7.1.3.1.0 = INTEGER: 1
SNMPv2-SMI::enterprises.171.12.11.1.7.1.3.1.1 = INTEGER: 1

C:\>
```