

## 通过MIB读取交换机端口光功率的方法

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先通过ifDescr (1.3.6.1.2.1.2.2.1.2) 获取物理端口编号，然后根据物理端口编号，读取对应的端口光功率值：

读取new模式下的光功率信息：

|                          |                                   |
|--------------------------|-----------------------------------|
| h3cTransceiverCurTXPower | 1.3.6.1.4.1.2011.10.2.70.1.1.1.9  |
| h3cTransceiverMaxTXPower | 1.3.6.1.4.1.2011.10.2.70.1.1.1.10 |
| h3cTransceiverMinTXPower | 1.3.6.1.4.1.2011.10.2.70.1.1.1.11 |
| h3cTransceiverCurRXPower | 1.3.6.1.4.1.2011.10.2.70.1.1.1.12 |
| h3cTransceiverMaxRXPower | 1.3.6.1.4.1.2011.10.2.70.1.1.1.13 |
| h3cTransceiverMinRXPower | 1.3.6.1.4.1.2011.10.2.70.1.1.1.14 |

读取compatible模式下的光功率信息：

|                           |                                 |
|---------------------------|---------------------------------|
| hh3cTransceiverCurTXPower | 1.3.6.1.4.1.25506.2.70.1.1.1.9  |
| hh3cTransceiverMaxTXPower | 1.3.6.1.4.1.25506.2.70.1.1.1.10 |
| hh3cTransceiverMinTXPower | 1.3.6.1.4.1.25506.2.70.1.1.1.11 |
| hh3cTransceiverCurRXPower | 1.3.6.1.4.1.25506.2.70.1.1.1.12 |
| hh3cTransceiverMaxRXPower | 1.3.6.1.4.1.25506.2.70.1.1.1.13 |
| hh3cTransceiverMinRXPower | 1.3.6.1.4.1.25506.2.70.1.1.1.14 |

例如：通过MIB Browser软件读取S5800交换机（软件版本Release 1808P17）的端口光功率。

交换机侧：

```
[H3C]display transceiver diagnosis interface Ten-GigabitEthernet 1/0/49
```

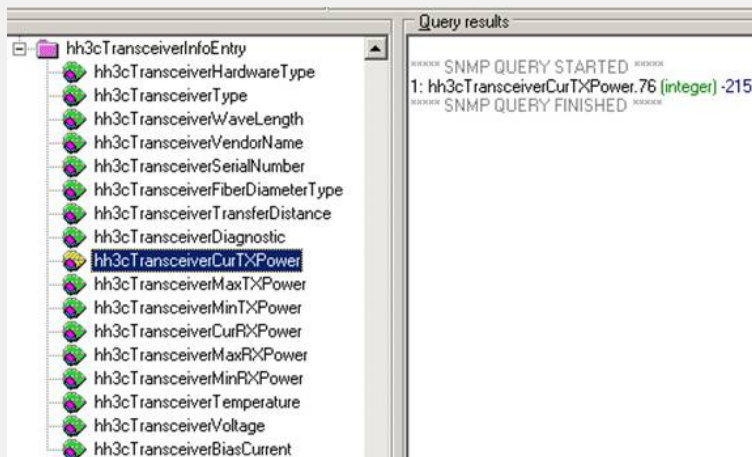
Ten-GigabitEthernet1/0/49 transceiver diagnostic information:

Current diagnostic parameters:

Temp.(??C) Voltage(V) Bias(mA) RX power(dBm) TX power(dBm)

30 3.29 8.04 -10.15 -2.15

MIB Browser软件侧：



hh3cTransceiverInfoEntry

- hh3cTransceiverHardwareType
- hh3cTransceiverType
- hh3cTransceiverWaveLength
- hh3cTransceiverVendorName
- hh3cTransceiverSerialNumber
- hh3cTransceiverFiberDiameterType
- hh3cTransceiverTransferDistance
- hh3cTransceiverDiagnostic
- hh3cTransceiverCurTXPower
- hh3cTransceiverMaxTXPower
- hh3cTransceiverMinTXPower
- hh3cTransceiverCurRXPower
- hh3cTransceiverMaxRXPower
- hh3cTransceiverMinRXPower
- hh3cTransceiverTemperature
- hh3cTransceiverVoltage
- hh3cTransceiverBiasCurrent

Query results

```
***** SNMP QUERY STARTED *****
1: hh3cTransceiverCurRXPower.76 (integer) -1015
***** SNMP QUERY FINISHED *****
```

hh3cTransceiverInfoEntry

- hh3cTransceiverHardwareType
- hh3cTransceiverType
- hh3cTransceiverWaveLength
- hh3cTransceiverVendorName
- hh3cTransceiverSerialNumber
- hh3cTransceiverFiberDiameterType
- hh3cTransceiverTransferDistance
- hh3cTransceiverDiagnostic
- hh3cTransceiverCurTXPower
- hh3cTransceiverMaxTXPower
- hh3cTransceiverMinTXPower
- hh3cTransceiverCurRXPower
- hh3cTransceiverMaxRXPower
- hh3cTransceiverMinRXPower
- hh3cTransceiverTemperature
- hh3cTransceiverVoltage
- hh3cTransceiverBiasCurrent

Query results

```
***** SNMP QUERY STARTED *****
1: hh3cTransceiverTemperature.76 (integer) 30
***** SNMP QUERY FINISHED *****
```

hh3cTransceiverInfoEntry

- hh3cTransceiverHardwareType
- hh3cTransceiverType
- hh3cTransceiverWaveLength
- hh3cTransceiverVendorName
- hh3cTransceiverSerialNumber
- hh3cTransceiverFiberDiameterType
- hh3cTransceiverTransferDistance
- hh3cTransceiverDiagnostic
- hh3cTransceiverCurTXPower
- hh3cTransceiverMaxTXPower
- hh3cTransceiverMinTXPower
- hh3cTransceiverCurRXPower
- hh3cTransceiverMaxRXPower
- hh3cTransceiverMinRXPower
- hh3cTransceiverTemperature
- hh3cTransceiverVoltage
- hh3cTransceiverBiasCurrent

Query results

```
***** SNMP QUERY STARTED *****
1: hh3cTransceiverVoltage.76 (integer) 329
***** SNMP QUERY FINISHED *****
```

hh3cTransceiverInfoEntry

- hh3cTransceiverHardwareType
- hh3cTransceiverType
- hh3cTransceiverWaveLength
- hh3cTransceiverVendorName
- hh3cTransceiverSerialNumber
- hh3cTransceiverFiberDiameterType
- hh3cTransceiverTransferDistance
- hh3cTransceiverDiagnostic
- hh3cTransceiverCurTXPower
- hh3cTransceiverMaxTXPower
- hh3cTransceiverMinTXPower
- hh3cTransceiverCurRXPower
- hh3cTransceiverMaxRXPower
- hh3cTransceiverMinRXPower
- hh3cTransceiverTemperature
- hh3cTransceiverVoltage
- hh3cTransceiverBiasCurrent

Query results

```
***** SNMP QUERY STARTED *****
1: hh3cTransceiverBiasCurrent.76 (integer) 804
***** SNMP QUERY FINISHED *****
```

