

SNR

- [DDMI \(Digital Diagnostic Monitoring Interface\)](#)
- [DOM \(Digital Optical Monitoring\)](#)

Digital Diagnostic Monitoring (DDM) — , (DDMI). (XFP, SFP+, SFP-) DDM, .

- :
- (RX);
 - (TX);
 - ;
 - ;
 - .

DDMI (Digital Diagnostic Monitoring Interface)

DDMI CLI :

```
show transceiver interface ethernet <if_list>
```

SNMP oid- 1.3.6.1.4.1.40418.7.100.30.1.



!
SNMP 'snmp-server ddm-mib enable'.

DOM (Digital Optical Monitoring)

. DOM (Digital Optical Monitoring), DDMI .

DOM ():

```
transceiver-monitoring enable
```

4 ():

- high alarm;
- high warn;
- low warn;
- low alarm.

. ():

```
transceiver threshold {default | {temperature | voltage | bias | rx-power | tx-power} {high-alarm | low-alarm | high-warn | low-warn} {< value > | default}}
```

:

	RealTime Value	High Alarm	Low Alarm	High Warn	Low Warn
	-----	-----	-----	-----	-----
Temperature()	35	30(80)	-10	75	
-5					
Voltage(V)	3.31	3.60	3.00	3.50	
3.10					
Bias Current(mA)	6.06	15.00	1.00	13.00	
2.00					
RX Power(dBm)	-13.98(A-)	0.50	-15.00(-11.90)	0.00	
-10.90					
TX Power(dBm)	-2.66	0.50	-7.30	0.00	-6.30

:

```
1023 %Apr 01 19:15:36 2020 <critical> MODULE_TRANSCEIVER[tTransMonitor]:Ethernet1/0/23, transceiver alarm
event: RX power low, Temp user threshold wrong!
1022 %Apr 01 19:14:36 2020 <critical> MODULE_TRANSCEIVER[tTransMonitor]:Ethernet1/0/23, transceiver alarm
event: RX power low, Temp user threshold wrong!
```

DDMI 15. ():

```
transceiver-monitoring interval <1-550000_min>
```

:

```
show transceiver threshold-violation interface ethernet <if_name>
```

:

```
clear transceiver threshold-violation
```