

www.raisecom.com

Digital Diagnostic Commands-1



CONTENTS



Chapter 1	Digital Diagnostic Commands	1
1.1	show interface transceiver	1
1.2	snmp trap transceiver	2

Chapter 1 Digital Diagnostic Commands

1.1 show interface port transceiver

[Function]

Show performance parameter value and threshold value, etc. information of optical module.

[Command format]

show interface port [*port-list*] **transceiver** [*threshold-violations*] [*detail*]

[Parameter]

port-list: port list.

threshold-violations: information of threshold-violation.

detail: details.

[Command Modes]

Privileged EXEC mode, Privileged user

[Executing Command Instruction]

Use this command to show performance parameter value and threshold value, etc. information of optical module.

[Explanation of command execution echo]

Raisecom#**show interface port** [*port-list*] **transceiver**

If device is externally calibrated, only calibrated values are printed.

++ : high alarm, + : high warning, - : low warning, -- : low alarm.

Tx: transmit, Rx: receive, mA: milliamperes.

		supply	Tx bias	Optical	Optical
	Temperature	Voltage	Current	Tx Power	Rx Power
Port	(Celsius)	(Volts)	(mA)	(dBm)	(dBm)

Raisecom# **show interface port** [*port-list*] **transceiver detail**

transceiver trap: <transceiver trap switch>

++ : high alarm, + : high warning, - : low warning, -- : low alarm.

The threshold values are calibrated.

		High Alarm	High Warn	Low Warn	Low Alarm
	Temperature	Threshold	Threshold	Threshold	Threshold
Port	(Celsius)	(Celsius)	(Celsius)	(Celsius)	(Celsius)

		High Alarm	High Warn	Low Warn	Low Alarm
	supply voltage	Threshold	Threshold	Threshold	Threshold
Port	(Volts)	(Volts)	(Volts)	(Volts)	(Volts)

Port	<i>TX bias</i>	<i>High Alarm</i>	<i>High Warn</i>	<i>Low Warn</i>	<i>Low Alarm</i>
	<i>Current</i> (mA)	<i>Threshold</i> (mA)	<i>Threshold</i> (mA)	<i>Threshold</i> (mA)	<i>Threshold</i> (mA)
Port	<i>Optical</i> <i>Transmit Power</i> (dBm)	<i>High Alarm</i> <i>Threshold</i> (dBm)	<i>High Warn</i> <i>Threshold</i> (dBm)	<i>Low Warn</i> <i>Threshold</i> (dBm)	<i>Low Alarm</i> <i>Threshold</i> (dBm)
	<i>Optical</i> <i>Receive Power</i> (dBm)	<i>High Alarm</i> <i>Threshold</i> (dBm)	<i>High Warn</i> <i>Threshold</i> (dBm)	<i>Low Warn</i> <i>Threshold</i> (dBm)	<i>Low Alarm</i> <i>Threshold</i> (dBm)

Raisecom#**show interface port** [*port-list*] **transceiver** *threshold violations*

DDDD: days, HH: hours, MM: minutes, SS: seconds

Port	<i>Time since Last Known</i> <i>Threshold Violation</i> (DDDD:HH:MM:SS)	<i>Type(s) of Last Known</i> <i>Threshold Violation(s)</i>

[Example]

Review port 2 digital diagnostic parameters:

Raisecom# **show interface port 2 transceiver**

[Related commands]

Commands	Description
snmp trap transceiver	Enable/disable send parameter state abnormal trap.

1.2 snmp trap transceiver

[Function]

Enable/disable send parameter state abnormal trap.

[Command format]

snmp trap transceiver {*enable/disable*}

[Parameter]

enable: enable transceiver traps.

disable: disable transceiver traps.

[Default]

enable

[Command Modes]

Global configuration mode, Privileged user

[Executing Command Instruction]

Use this command to enable/disable send parameter state abnormal trap.

[Explanation of command execution echo]

Set successfully.

[Example]

Disable transceiver parameter abnormal traps:

Raisecom(config)#**snmp trap transceiver** *disable*

[Related commands]

Commands	Description
show interface transceiver detail	Show digital diagnostic details.



北京瑞斯康达科技发展有限公司
RAISECOM TECHNOLOGY CO.,LTD.

Address: 2nd Floor, South Building of Rainbow Plaza, No.11 Shangdi Information Road,
Haidian District, Beijing Postcode: 100085 Tel: +86-10-82883305 Fax: +86-10-82883056
Email: export@raisecom.com <http://www.raisecom.com>