How to get switch and blade sensor value on PAC-6009

V1.0

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Version

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Contents

Purpose

This guide is to provide a simple step-by-step guidance for users to follow on How to check switch and blade sensor value on PAC-6009.

Applicable model list

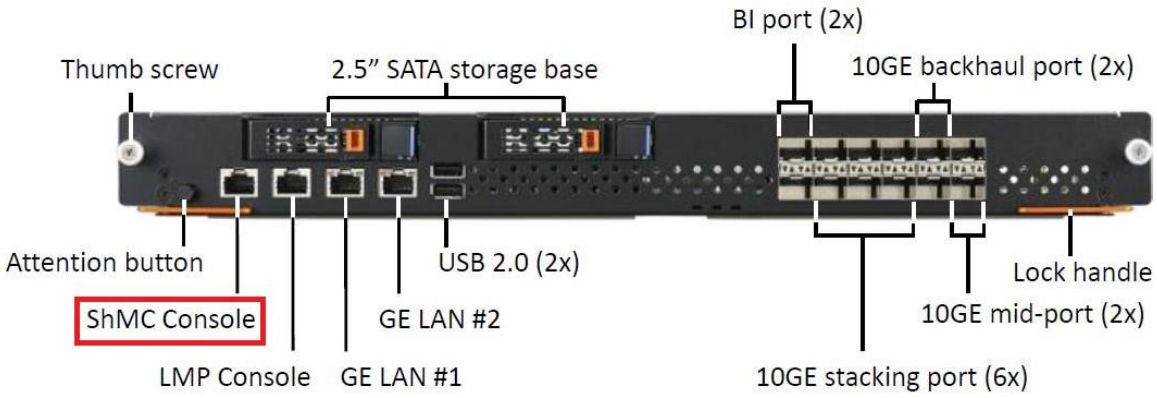
PAC-6009

Description

Users usually use “ipmitool” to get the currently sensor value of blade/switch. This guide will teach you how to get currently sensor value without use “ipmitool”.

Procedures

a. Access the upper/lower ShMC console port via RJ45 console cable.



b. Open the terminal application (ex.PuTTY). Please use the actual COM port’s number on your PC/NB. Baud rate is 115200.

c. Login to upper or lower ShMC. Default user ID is root and password is Advantech

d. After login to ShMC, you should see this prompt in the console: **#**

e. Run “cli status” to check the ShMC status of activate/standby under # prompt. If ***0x20*** is in the Addr list, it is ***activate ShMC***. If you don’t see ***0x20***,please change RJ45 console cable to another ShMC console port. And then check it again to make sure you run the command on activate ShMC

```
# cli status

+=================================================================+

|Addr|FRU#|Type      |Site|State  |Cause          |DevID|Id String|

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|0x20|   0|ShMC      |   1|M4 (M3)|Normal         | 9002|ESP-9002 |

|0x12|   0|ShMC      |   2|M4 (M3)|Normal         | 9002|ESP-9002 |

|0xa4|   0|FrontBoard|  18|M4 (M3)|Normal         | 8303|MIC-8303 |

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```

f. Run “cli sensor $addr” to get $addr currently sensor value under # prompt.

Where $addr=switch or blade address

```
# cli sensor 0x82

+================================================================================+

| Id  | Sensor Name          |Owner|Entity  |Type | Value                       |

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| 00h | MIC-8303             | 82h | 160.96 | NA  | Dynamic MC @82h             |

| 01h | HOTSWAP              | 82h | 160.96 | F0h |                             |

| 02h | IPMB_0               | 82h | 160.96 | F1h | 08h                         |

| 03h | IPMC_HEALTH          | 82h | 160.96 | 28h |                             |

| 04h | VERSION_CHANGE       | 82h | 160.96 | 2Bh |                             |

| 05h | BMC_WATCHDOG         | 82h | 160.96 | 23h |                             |

| 06h | ACPI_STATE           | 82h | 160.96 | 22h |                             |

| 07h | PROC_STATE           | 82h | 003.96 | 07h |                             |

| 08h | SYSTEM_RESET         | 82h | 160.96 | 1Dh | FFh                         |

| 09h | FW_PROGRESS          | 82h | 160.96 | 0Fh |                             |

| 0Ah | INTEGRITY            | 82h | 160.96 | C0h |                             |

| 0Bh | CONFIG_MODE          | 82h | 160.96 | C0h |                             |

| 0Ch | POWER_GOOD           | 82h | 160.96 | 08h | FFh                         |

| 0Dh | BOARD_POWER          | 82h | 160.96 | 0Bh | 54.00                       |

| 0Eh | PIM_CURRENT          | 82h | 010.96 | 03h | 4.300 Amps                  |
```

```
| 0Fh | PIM_12-VOL          | 82h | 010.96 | 02h | 11.900 Volts                |
| 10h | PAY_12-VOL          | 82h | 010.96 | 02h | 11.985 Volts                |
| 11h | PAY_5_0-VOL         | 82h | 020.96 | 02h | 5.1545 Volts                |
| 12h | PAY_3_3-VOL         | 82h | 020.96 | 02h | 3.2928 Volts                |
| 13h | BAT_3_0-VOL         | 82h | 020.96 | 02h | 3.1948 Volts                |
| 14h | CPU_VCORE-VOL       | 82h | 003.96 | 02h | 1.7900 Volts                |
| 15h | PAY_1_7-VOL         | 82h | 020.96 | 02h | 1.7444 Volts                |
| 16h | PAY_1_5-VOL         | 82h | 020.96 | 02h | 1.4994 Volts                |
| 17h | PAY_1_3-VOL         | 82h | 020.96 | 02h | 1.3132 Volts                |
| 18h | DDR_1_2_AB-VOL      | 82h | 032.96 | 02h | 1.2200 Volts                |
| 19h | PAY_1_05-VOL        | 82h | 020.96 | 02h | 1.0486 Volts                |
| 1Ah | DDR_VTT_AB-VOL      | 82h | 032.96 | 02h | 0.5978 Volts                |
| 1Bh | INTAKE-TMP          | 82h | 160.96 | 01h | 26.00 Degrees               |
| 1Ch | OUTLET-TMP          | 82h | 160.96 | 01h | 32.00 Degrees               |
| 1Dh | PCH-TMP             | 82h | 160.96 | 01h | 31.00 Degrees               |
| 1Eh | CPU-TMP             | 82h | 003.96 | 01h | 35.00 Degrees               |
| 1Fh | DIMM_A1-TMP         | 82h | 032.96 | 01h | 29.00 Degrees               |
| 20h | DIMM_A2-TMP         | 82h | 032.96 | 01h | 30.00 Degrees               |
| 21h | DIMM_B1-TMP         | 82h | 032.96 | 01h | 31.00 Degrees               |
| 22h | DIMM_B2-TMP         | 82h | 032.96 | 01h | 32.00 Degrees               |
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```