



## FAQ / Application Note

**Subject:** Auto FAN Speed Control for HPS 4U series

**FAQ Document No:** S23001

**Date:** 2023/03/29

**Model Name:** HPS 4U series

**Rev:** A2

**Category:** General H/W S/W Others, BMC

**Purpose:**

Automatic fan speed control is a function that assists in cooling the system, and it is controlled and modified through BMC firmware.

**Environment:**

Motherboard: HPM-SRSUA

**Control Point & Flow Chart:**

- Mainly to detect and control system fan.
- This function is only applicable to HPS systems and single boards.
- This function be programed by BMC firmware, and cannot be set in BIOS Setup, or their setting values can be seen.
- If the graphics card is not on the list, the default value of Auto FAN Speed is 30%.

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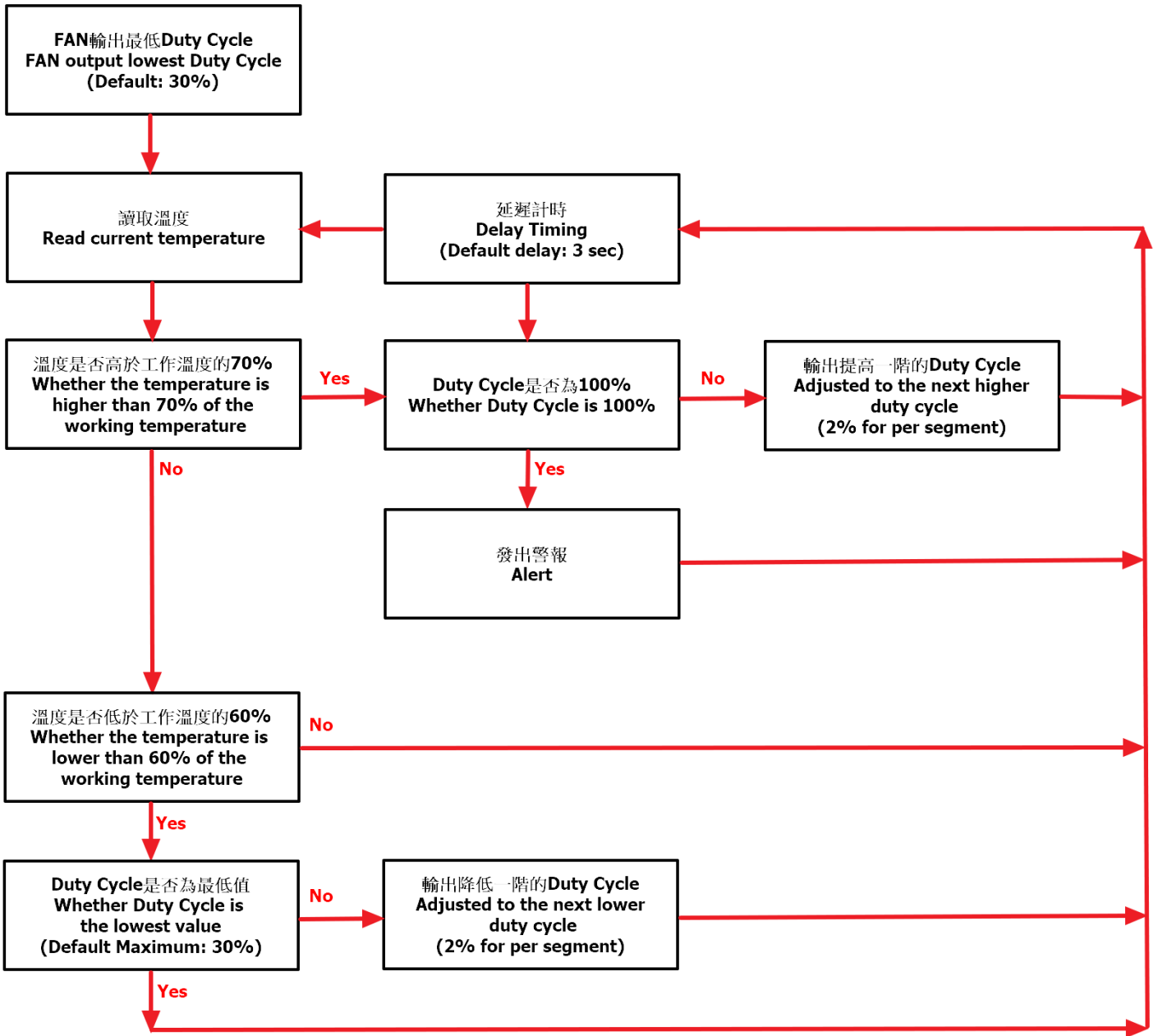
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Flow Chart



1. This function will refer to the maximum operating temperature of the CPU and GPU of the BMC firmware.

# GPU

## Maximum Operating Temperature Settings

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{0x10de, 0x1eb8, 0x10de, 0x12a2, 85},//nvidia T4 GPU

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{0x10de, 0x1eb1, 0x10de, 0x12a0, 92},//nvidia rtx4000

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{0x10de, 0x1eb0, 0x10de, 0x129f, 89},//nvidia rtx5000

---

{0x10de, 0x24b0, 0x10de, 0x14ad, 98},//nvidia rtxA4000

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{0x10de, 0x1c31, 0x10de, 0x131b, 94},//nvidia P2200

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{0x10de, 0x1ff2, 0x10de, 0x1613, 93},//nvidia T400

---

{0x10de, 0x1fb1, 0x10de, 0x1488, 100},//nvidia T600

---

{0x10de, 0x1cb3, 0x0000, 0x0000, 85},//nvidia P400

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{0x10de, 0x1cb6, 0x0000, 0x0000, 85},//nvidia P620

---

{0x10de, 0x1cbd, 0x0000, 0x0000, 85},//nvidia P620

---

{0x10de, 0x1cb1, 0x0000, 0x0000, 85},//nvidia P1000

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{0x10de, 0x1cbb, 0x0000, 0x0000, 85},//nvidia P1000

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{0x10de, 0x1fb0, 0x10de, 0x1612, 95},//nvidia T1000

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2. Used on HPS system: (To control system fan speed)



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