COMMAND List

|  |  |
| --- | --- |
| PROJECT NAME | HA401TU |

OEM COMMAND

## Power Control the Other Node

NetFN: 3Ch

Command Code: 38h

Description:

|  |  |  |
| --- | --- | --- |
| Message | Byte | Data Field |
| Request | 1 | Power control  00h = Power Down  01h = Power Up  02h = Power Cycle  03h = Hard Reset  04h = Pulse Diagnostic Interrupt  05h = Soft Shutdown |
| Response | 1 | Completion Code  00h = Success  C9h = Parameter Out of Range |

Note: This function is same as ipmitool chassis power command.

## Get All Node Status

NetFN: 3Ah

Command Code: E2h

Description:

|  |  |  |  |
| --- | --- | --- | --- |
| Message | Byte | Data Field | |
| Request | - | - | |
| Response | 1 | Completion Code  00h = Success | |
|  | 2 | Current Node Slot ID (0 based) |
|  | 3 | Current Node PWM |
|  | 4 – 7 | Current Node IP |
|  | 8 | Current Node Power status  00h = Power off  01h = Power on |
|  | 9 | The other Node PWM |
|  | 10 – 13 | The other Node IP |
|  | 14 | The other Node Power status  00h = Power off  01h = Power on |

Note: Upper slot ID is 1. Lower slot ID is 0.

## Set BBU Power Down Setting

NetFN: 3Ch

Command Code: 39h

Description:

|  |  |  |
| --- | --- | --- |
| Message | Byte | Data Field |
| Request | 1 | Power Down Action  00h = Soft Power off  01h = Force Power off |
|  | 2 | Power Down Capacity (%)  Please choose from following value:  30, 40, 50, 60, 70, 80, 90 |
| Response | 1 | Completion Code  00h = Success  C9h = Parameter Out of Range  CCh = Invaild Data Field in Request |

## Get BBU Power Down Setting

NetFN: 3Ch

Command Code: 3Ah

Description:

|  |  |  |
| --- | --- | --- |
| Message | Byte | Data Field |
| Request | - | - |
| Response | 1 | Completion Code  00h = Success |
|  | 2 | Power Down Action  00h = Soft Power off  01h = Force Power off |
|  | 3 | Power Down Capacity (%) |

## Set BBU Power Capping

NetFN: 3Ch

Command Code: 3Bh

Description:

|  |  |  |
| --- | --- | --- |
| Message | Byte | Data Field |
| Request | 1 | CPU Power capping P-State  Default P-State is 2 |
| Response | 1 | Completion Code  00h = Success  D5h = Parameter is not support in current state  C9h = Parameter Out of Range |

Note:

1. Please set power capping at system power on, or the completion code will return D5h.
2. The maximum allowed P-state is defined by CPU.

If request P-State is not supported, the completion code will return C9h.

## Get BBU Power Capping

NetFN: 3Ch

Command Code: 3Ch

Description:

|  |  |  |
| --- | --- | --- |
| Message | Byte | Data Field |
| Request | - |  |
| Response | 1 | Completion Code  00h = Success |
|  | 2 | CPU Power capping P-State |

**Below Command Only Supported for SKU 2 and 5.**

## Get NVMe LED Status (For MG9100 Control)

NetFN: 3Ch

Command Code: 2Ah

Description:

|  |  |  |
| --- | --- | --- |
| Message | Byte | Data Field |
| Request | 1 | NVMe SSD Number  0x00 ~0x01 |
| Response | 1 | Completion Code  00h Success |
|  | 2 | NVMe SSD Number  0x00 ~0x01 |
|  | 3 | Activity Status:  00h: Auto mode.   * Activity LED (Blue): on (default)   01h: Active.   * Activity LED (Blue): blink at 4Hz |
|  | 4 | Locate/Fail Status:  00h: Auto mode.   * Fail LED (Yellow): off (default) * Locate LED (Green): off (default)   01h: Predictive Failure.   * Fail LED (Yellow): 2 fast blink at 4Hz & pause for 0.5 Sec. * Locate LED (Green): off   02h: Locate.   * Fail LED (Yellow): off * Locate LED (Green): blink at 4Hz   03h: Fail.   * Fail LED (Yellow): on * Locate LED (Green): off   04h: Rebuild.   * Fail LED (Yellow): blink at 1Hz * Locate LED (Green): off |

## 1.8. Set NVMe LED Status (For MG9100 Control)

NetFN 3Ch:

Command Code: 2Bh

Description:

|  |  |  |
| --- | --- | --- |
| Message | Byte | Data Field |
| Request | 1 | NVMe SSD Number  0x00 ~0x01 |
|  | 2 | Function:  00h: Activity  01h: Locate/Fail |
|  | 3 | Activity:  00h: Auto mode.   * Activity LED (Blue): on (default)   01h: Active.   * Activity LED (Blue): blink at 4Hz   Locate/Fail:  00h: Auto mode   * Fail LED (Yellow): off (default) * Locate LED (Green): off (default)   01h: Predictive Failure.   * Fail LED (Yellow): 2 fast blink at 4Hz & pause for 0.5 Sec. * Locate LED (Green): off   02h: Locate.   * Fail LED (Yellow): off * Locate LED (Green): blink at 4Hz   03h: Fail.   * Fail LED (Yellow): on * Locate LED (Green): off   04h: Rebuild.   * Fail LED (Yellow): blink at 1Hz * Locate LED (Green): off |
| Response | 1 | Completion Code  00h Success |