**Hi-Safe\_v3 Unit Test Report**

**Create Date:** 2022/12/15

**Tester:** Lucas Su

**Retester**: Fred Hung

***Document History***

|  |  |  |  |
| --- | --- | --- | --- |
| ***Version*** | ***Date*** | ***Author*** | ***Description*** |
| 2.00 | 2016.07.21 | Tim Lin | 2nd Hi-Safe unit test version |
| 3.00 | 2018.07.31 | Albert Wu | Add system shutdown & reboot check |
| 4.00 | 2021/11/18 | Lucas Su | 3nd Hi-Safe unit test version |
| 5.00 | 2022/01/12 | Brian Wu | Add backlight eDP option |
| 6.00 | 2022/06/07 | Lucas Su | Add I2C option |

# Hardware/ BIOS/ OS and Driver version

|  |  |
| --- | --- |
| Hardware/ SIO | GENESYS-ADP6/ F81966 |
| BIOS | GAD6SM10 |
| EC Firmware | none |
| OS version | Win10 21H2 |
| Hi-Safe-v3 version | 3.15.2.45 |
| App version | 1.0.15 |
| aaeonEAPI version | 22.05.27.2 |
| Driver version | 22.12.15.45 |

# Test Note

Use HiSafeV3Setup.exe to install V3 app and driver, the HiSafeV3Setup.exe contains app and driver.

# Test Items

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Items** | **Detail** | **Test Result** | | | **Note** |
| **Pass** | **Fail** | **N/A** |
| System Information | CPU information |  |  |  |  |
| Model Name |  |  |  |  |
| Display information |  |  |  |  |
| RAM information |  |  |  |  |
| Hardware Monitor | Fan 1 |  |  |  |  |
| Fan 2 |  |  |  |  |
| Fan 3 |  |  |  |  |
| Temperature 1 |  |  |  | CPU |
| Temperature 2 |  |  |  | System |
| Temperature 3 |  |  |  | System2 |
| Voltage 1 |  |  |  | VCORE |
| Voltage 2 |  |  |  | 1v8 |
| Voltage 3 |  |  |  | 3V3 |
| Voltage 4 |  |  |  | VBAT |
| Voltage 5 |  |  |  | 5V |
| Voltage 6 |  |  |  | 5VSB |
| Voltage 7 |  |  |  | 12V |
| Voltage 8 |  |  |  | DIMM |
| Voltage 9 |  |  |  | 3VSB |
| DIO | DIO 1 Output |  |  |  |  |
| DIO 1 High/Low |  |  |  |  |
| DIO 2 Output |  |  |  |  |
| DIO 2 High/Low |  |  |  |  |
| DIO 3 Output |  |  |  |  |
| DIO 3 High/Low |  |  |  |  |
| DIO 4 Output |  |  |  |  |
| DIO 4 High/Low |  |  |  |  |
| DIO 5 Output |  |  |  |  |
| DIO 5 High/Low |  |  |  |  |
| DIO 6 Output |  |  |  |  |
| DIO 6 High/Low |  |  |  |  |
| DIO 7 Output |  |  |  |  |
| DIO 7 High/Low |  |  |  |  |
| DIO 8 Output |  |  |  |  |
| DIO 8 High/Low |  |  |  |  |
| Watch Dog | Reboot |  |  |  |  |
| Minute mode |  |  |  |  |
| Auto Reload |  |  |  |  |
| System shutdown |  |  |  |  |
| Smart Fan | Fan 1 Manual Adjust |  |  |  |  |
| Fan 1 Auto Adjust |  |  |  |  |
| Fan 2 Manual Adjust |  |  |  |  |
| Fan 2 Auto Adjust |  |  |  |  |
| Fan 3 Manual Adjust |  |  |  |  |
| Fan 3 Auto Adjust |  |  |  |  |
| Smbus | Read/Write Byte |  |  |  |  |
| Read/Write Word |  |  |  |  |
| I2C | Read/Write Byte |  |  |  |  |
| Backlight Control | DC Mode Device 1 |  |  |  |  |
| DC Mode Device 2 |  |  |  |  |
| PWM Mode Device 1 |  |  |  |  |
| PWM Mode Device 2 |  |  |  |  |
| eDP |  |  |  |  |
| Hi-Safe Installation | Signed |  |  |  |  |
| System reboot |  |  |  |  |