

1. Release Notes for Current Version

Firmware Name	4A00SIR012304.ima
Release Version	01.23
Release Date	2026/06/12
Codebase	AST2600 LTS v13.9 (with Kernel/U-Boot packages updated from v13.11)
Firmware Dependency	BIOS: Sirg00D0 or later CPLD: 0.0.16 or later
Change log	1. [Feature] The release firmware checksum has been changed from MD5 to SHA256 and SHA384 2. [Fix][#11158] Fix missing range validation for the duty value received from the Set PWM Group Manual Control OEM command 3. [Fix][#11162] Fix incorrect 'ChassisIntrusion' sensor state after restoring factory defaults 4. [Fix][#11206] Fix BMC fails to boot Image2 after switching via ABR 5. [Fix][#11225] Fix incorrect Board Serial Number and Board Part Number field mapping in the Update FRU tool(write_fru.sh)
Known Issue	1. After installing a Microsemi RAID card that is not supported by AMI, BMC may be unable to detect the card for an extended period of time.
Important Notes	1. Please use a RAID card to verify the hard drive temperature and locator LED functions for the system product. 2. GPU temperature monitoring requires one of the following AIC system riser cards: - SB201-SU - SB202-SU - SB102-SU 3. BMC firmware supports the following RAID card interfaces. RAID card firmware must be configured with the same interface to communicate with BMC firmware. - Broadcom RAID 93xx/94xx/95xx series: I2C interface. - Broadcom RAID 96xx series: PCIe interface. - Microchip SmartRAID series: PCIe interface.

2. Release Notes for Previous Versions

Firmware Name	4A00SIR012203.ima
Release Version	01.22
Release Date	2026/05/21
Codebase	AST2600 LTS v13.9
Firmware Dependency	BIOS: Sirg00A0 or later CPLD: 0.0.16 or later
Change log	1. [Feature] Update kernel to version 6. 2. [Feature] Add support for configuring chassis power restore policy in WebUI. 3. [Feature] Implement GPU temperature compensation via IPMI OEM command - Updated Special_IPMI_Commands_and_Sensors_v1.8 document. 4. [Fix][#9636] Fix an issue where BIOS USB Redfish inventory POST may occasionally fail when BIOS and BMC boot together, triggering a false "Hardware change detected" SEL after the Platform Integrity timeout.
Known Issue	1. After installing a Microsemi RAID card that is not supported by AMI, BMC may be unable to detect the card for an extended period of time.
Important Notes	1. Please use a RAID card to verify the hard drive temperature and locator LED functions for the system product. 2. GPU temperature monitoring requires one of the following AIC system riser cards: - SB201-SU - SB202-SU - SB102-SU 3. BMC firmware supports the following RAID card interfaces. RAID card firmware must be configured with the same interface to communicate with BMC firmware. - Broadcom RAID 93xx/94xx/95xx series: I2C interface. - Broadcom RAID 96xx series: PCIe interface. - Microchip SmartRAID series: PCIe interface.

Firmware Name	4A00SIR012103.ima
Release Version	01.21
Release Date	2026/04/29
Codebase	AST2600 LTS v13.9
Firmware Dependency	BIOS: Sirg00A0 or later CPLD: 0.0.16 or later
Change log	[Feature] Implement buzzer control via IPMI OEM command with on/off and long/short beep support. - Updated Special_IPMI_Commands_and_Sensors_v1.7 document. [Feature] Support chassis intrusion detection disable option. [Feature] Implement BMC console log download via WebUI for enhanced remote diagnostics. [Fix][#10835][#10834][#10820][#10533][#10836] Add JFFS2 AC_LOST guard to mitigate file system corruption risk during power loss. [Fix][#10836] Fix power policy persistence issue across recovery scenarios. [Fix][#10634] Fix intermittent 'Session Expired' in IPMI Event Log WebUI. [Fix][#9636] Fix race condition in inventory file processing. [Fix] Fix backup configuration delay causing lighttpd restart latency. [Fix] Fix Intel CPU and DIMM temperature unavailable for smart fan control in early PostMonitor stage. [Fix] Fix Redfish BMC fan mode control not working.
Known Issue	After installing a Microsemi RAID card that is not supported by AMI, BMC may be unable to detect the card for an extended period of time.
Important Notes	- Please use a RAID card to verify the hard drive temperature and locator LED functions for the system product. - GPU temperature monitoring requires one of the following AIC system riser cards: - SB201-SU - SB202-SU - SB102-SU - BMC firmware supports the following RAID card interfaces. RAID card firmware must be configured with the same interface to communicate with BMC firmware.

	- Broadcom RAID 93xx/94xx/95xx series: I2C interface. - Broadcom RAID 96xx series: PCIe interface. - Microchip SmartRAID series: PCIe interface.
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Firmware Name	4A00SIR012003.ima
Release Version	01.20
Release Date	2026/02/11
Codebase	AST2600 LTS v13.9
Change log	1. [Feature] Updated the ASM1062 RODCHE pin configuration from output low to input. 2. [Fix][#10835][#10834][#10836] Fixed the issue causing simultaneous corruption of two partitions during AC power off, resulting in the loss of all configuration files. 3. [Fix][#10779] Fixed an intermittent boot failure observed after performing an AC power cycle. 4. [Fix] Fixed the language of "Event log:" on the IPMI Event Log page to match the system settings.
Known Issue	1. After installing a Microsemi RAID card that is not supported by AMI, BMC may be unable to detect the card for an extended period of time.
Important Notes	1. Must be used with BIOS version Sirg00A0 and CPLD version 0.0.16 or later. 2. Please use a RAID card to verify the hard drive temperature and locator LED functions for the system product. 3. GPU temperature monitoring requires one of the following AIC system riser cards: - SB201-SU - SB202-SU - SB102-SU 4. BMC firmware supports the following RAID card interfaces. RAID card firmware must be configured with the same interface to communicate with BMC firmware. - Broadcom RAID 93xx/94xx/95xx series: I2C interface. - Broadcom RAID 96xx series: PCIe interface. - Microchip SmartRAID series: PCIe interface.

Firmware Name	4A00SIR011903.ima
Release Version	01.19
Release Date	2026/1/27
Codebase	AST2600 LTS v13.9
Change log	1. [Feature] Updated the boot fail watchdog timeout from 10 minutes to 5 minutes. 2. [Feature][#10579][#10580] Added usage notes for the software tools in the Ubuntu 24.04 environment. - Updated BMC_Firmware_Update_v1.5 document. 3. [Feature][#9465] Updated the Windows USB driver used by Yafuflash in the Yafuflash\Win_rndisinf directory. 4. [Fix][#10574] Fixed a low-probability issue where a FAN asserted error occurred when the FAN was in auto mode and no FAN was connected. 5. [Fix] Fixed rare EEPROM read corruption under concurrent access. 6. [Fix][#10573] Fixed an issue with BMC firmware updates that caused rootfs corruption on AC power off, blocking switch to secondary Flash ROM.
Known Issue	1. After installing a Microsemi RAID card that is not supported by AMI, BMC may be unable to detect the card for an extended period of time.
Important Notes	1. Must be used with BIOS version Sirg00A0 and CPLD version 0.0.16 or later. 2. Please use a RAID card to verify the hard drive temperature and locator LED functions for the system product. 3. GPU temperature monitoring requires one of the following AIC system riser cards: - SB201-SU - SB202-SU - SB102-SU 4. BMC firmware supports the following RAID card interfaces. RAID card firmware must be configured with the same interface to communicate with BMC firmware. - Broadcom RAID 93xx/94xx/95xx series: I2C interface. - Broadcom RAID 96xx series: PCIe interface. - Microchip SmartRAID series: PCIe interface.

Firmware Name	4A00SIR011803.ima
Release Version	01.18
Release Date	2025/12/24
Codebase	AST2600 LTS v13.9
Change log	1. [Feature][#10516][#10575] Removed "RAID Interface Selection" page from WebUI. 2. [Fix] P5V voltage leakage during AC power on. 3. [Fix][#10497] SNMP v2/v3 "add-in card" event raw data is displayed but cannot be identified. - Updated SNMP v1 MIB file from v1.0.5 to v1.0.6 - Updated SNMP v2/v3 MIB file from v1.0.4 to v1.0.5 4. [Fix][#10542] Duration for the ID LED to turn off after executing the command "ipmitool chassis identify" did not meet specifications. 5. [Fix][#10590] ID button continued to affect ID LED status after locking it with the OEM command. 6. [Fix] SEL events displayed in the audit log. 7. [Fix] Fans running at full speed during AC power-on. - It must be used with CPLD version 0.0.16.
Known Issue	1. After installing a Microsemi RAID card that is not supported by AMI, BMC may be unable to detect the card for an extended period of time.
Important Notes	1. Must be used with BIOS version Sirg00A0 and CPLD version 0.0.16 or later. 2. Please use a RAID card to verify the hard drive temperature and locator LED functions for the system product. 3. GPU temperature monitoring requires one of the following AIC system riser cards: - SB201-SU - SB202-SU - SB102-SU 4. BMC firmware supports the following RAID card interfaces. RAID card firmware must be configured with the same interface to communicate with BMC firmware. - Broadcom RAID 93xx/94xx/95xx series: I2C interface. - Broadcom RAID 96xx series: PCle interface. - Microchip SmartRAID series: PCle interface.

Firmware Name	4A00SIR011703.ima
Release Version	01.17
Release Date	2025/12/10
Codebase	AST2600 LTS v13.9
Change log	[Feature] Implement script and configuration files for batch writing FRU data (by ipmitool fru edit) - The script and configuration files are in the Update_FRU folder. - Updated AST2600_Update_FRU_Guide_v1.2 document. [Fix][#10387][#10440] Unexpected Web / KVM session timeout.
Known Issue	After installing a Microsemi RAID card that is not supported by AMI, BMC may be unable to detect the card for an extended period of time.
Important Notes	- Must be used with BIOS version Sirg0060 and CPLD version 0.0.15 or later. - Please use a RAID card to verify the hard drive temperature and locator LED functions for the system product. - GPU temperature monitoring requires one of the following AIC system riser cards: - SB201-SU - SB202-SU - SB102-SU

Firmware Name	4A00SIR011603.ima
Release Version	01.16
Release Date	2025/11/24
Codebase	AST2600 LTS v13.9
Change log	1. [Fix] Fixed the issue on the Sirius platform where the JNCSE_SEL jumper was configured for an OCP, but no OCP NIC card was installed, causing a BMC kernel panic.
Known Issue	1. After installing a Microsemi RAID card that is not supported by AMI, BMC may be unable to detect the card for an extended period of time.
Important Notes	1. Must be used with BIOS version Sirg0060 and CPLD version 0.0.15 or later. 2. Please use a RAID card to verify the hard drive temperature and locator LED functions for the system product. 3. GPU temperature monitoring requires one of the following AIC system riser cards: - SB201-SU - SB202-SU - SB102-SU

Firmware Name	4A00SIR011503.ima
Release Version	01.15
Release Date	2025/11/19
Codebase	AST2600 LTS v13.9
Change log	1. [Fix] Fixed the FRU.bin error caused by empty FRU data or data length less than 2 in EEPROM, which affects the results of the "ipmitool fru print" command.
Known Issue	1. After installing a Microsemi RAID card that is not supported by AMI, BMC may be unable to detect the card for an extended period of time.
Important Notes	1. Must be used with BIOS version Sirg0060 and CPLD version 0.0.15 or later. 2. Please use a RAID card to verify the hard drive temperature and locator LED functions for the system product. 3. GPU temperature monitoring requires one of the following AIC system riser cards: - SB201-SU - SB202-SU - SB102-SU

Firmware Name	4A00SIR011403.ima
Release Version	01.14
Release Date	2025/11/17
Codebase	AST2600 LTS v13.9
Change log	[Feature] Implemented writing to FRU using 'ipmitool fru edit' and a secure password. - Added AST2600_Update_FRU_Guide_v1.0 document. [Feature] Implemented AIC OEM command for writing FRU Board Mfg Date and Secure Write FRU. - Updated Special_IPMI_Commands_and_Sensors_v1.6 document. [Feature] Implemented SEL event logging when configuration files are corrupted. [Feature] Implement extra audit log for user operation log. [Feature] Remove CPU VR temperature sensor detection according universal smart fan. - According to Universal_Fan_Control_V09_20251022.xlsx [Feature] Modify EthernetInterface Id for Redfish API. - Updated AST2600_Redfish_User_Manual_v1.3 document. [Fix] "Session Expired" issue on RAID card information page when inserting MSCC RAID card. [Fix][#9785] Inconsistency in the "device name" field displayed on the "PCIe Device" and "PCIe Function" pages. [Fix][#9459] SNMP Trap Receiver v2c/v3 - Fixed abnormal value display after power cycling with ipmitool. [Fix] SNMP v1 "add-in card" event raw data is displayed but cannot be identified. - Updated MIB file from v1.0.4 to v1.0.5 [Fix] SOL route continued during SOL deactivation.
Known Issue	After installing a Microsemi RAID card that is not supported by AMI, BMC may be unable to detect the card for an extended period of time.
Important Notes	- Please do not preserve config while updating BMC firmware. - Must be used with BIOS version Sirg0060 and CPLD version 0.0.15 or later. - Please use a RAID card to verify the hard drive temperature and locator LED functions for the system product. - GPU temperature monitoring requires one of the following AIC system riser cards:

	- SB201-SU - SB202-SU - SB102-SU
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Firmware Name	4A00SIR011303.ima
Release Version	01.13
Release Date	2025/10/02
Codebase	AST2600 LTS v13.9
Change log	1. The code base has been upgraded from AMI LTS-v13.7 to AMI LTS-v13.9. 2. Implemented support for Broadcom RAID with simultaneous insertion of I2C and PCIe interfaces. 3. Implemented support for PCIe interface for Microsemi RAID. 4. Implemented FAN fail recovery mechanism on universal start FAN. 5. Change BMC's dedicated LAN from eth1 to eth0 to comply with AMI's MCTP software design. 6. "Pending Deassertions" text in the Dashboard page changes to "IPMI Event Log". 7. Dashboard widgets in the Dashboard page are enabled by default. 8. Fixed some issues caused by the LTS-v13.9 code base, including SNMP trap v1, Redfish CPLD Update and Platform Integrity buffer overflow.
Known Issue	1. There is a chance that the BMC may fail to detect the Microsemi RAID card for an extended period when it is installed. AMI is currently investigating this issue.
Important Notes	1. Please do not preserve config while updating BMC firmware. 2. Must be used with BIOS version Sirg0060 and CPLD version 0.0.15 or later. 3. Please use a RAID card to verify the hard drive temperature and locator LED functions for the system product. 4. GPU temperature monitoring requires one of the following AIC system riser cards: - SB201-SU - SB202-SU - SB102-SU

Firmware Name	4A00SIR011202.ima
Release Version	01.12
Release Date	2025/07/25
Codebase	AST2600 LTS v13.7
Change log	1. Fixed inaccurate timing for universal smart fan speed reduction. 2. Fixed PLDM FRU Manufacture Date display issue. 3. Fixed platform integrity always timeout. 4. Fixed universal smart fan when inlet temp < 0 causes fan to speed up unexpectedly. 5. Updated NIC FW version display from hexadecimal to decimal format. 6. Updated RAID PCIe IDs display from decimal to hexadecimal format. 7. Updated RAID card display to show TMM status instead of total memory size. 8. Updated the AIC universal smart fan table according to Universal_Fan_Control_V06_20250623.xlsx 9. Implemented the FW revision display for ACBEL-R1CA2202E PSU. 10. Implemented the function to modify FRU data and security code handler via IPMI OEM command. 11. Implemented FAN mode configuration via Redfish API. 12. Remove Topology Information from RAID Management page. 13. Updated SDR_List_v1.6 file and implement the following changes. - Modify SDR P0_VR_INLET_Temp/P1_VR_INLET_Temp sensor UC/UNR thresholds. - Removed support for NVIDIA RTX 4090 and NVIDIA RTX 4000 Ada.
Known Issue	None
Important Notes	1. Must be used with BIOS version Sirg0050 and CPLD version 0.0.15 or later. 2. Please use a RAID card to verify the hard drive temperature and locator LED functions for the system product. 3. GPU temperature monitoring requires one of the following AIC system riser cards: - SB201-SU - SB202-SU - SB102-SU

Firmware Name	4A00SIR011102.ima
Release Version	01.11
Release Date	2025/06/11
Codebase	AST2600 LTS v13.7
Change log	1. Fixed an issue where the vendor ID, device ID, SVID, and SSID sometimes displayed as N/A in the System Inventory > PCIE Device page. 2. Implement RAID card info in the System Inventory > Storage page. 3. Added Network Controller Page in System Inventory. - Only NIC cards that support PLDM over MCTP will be displayed.
Known Issue	None
Important Notes	1. Must be used with BIOS version Sirg0050 and CPLD version 0.0.15 or later. 2. Please use a RAID card to verify the hard drive temperature and locator LED functions for the system product. 3. GPU temperature monitoring requires one of the following AIC system riser cards: - SB201-SU - SB202-SU - SB102-SU

Firmware Name	4A00SIR011002.ima
Release Version	01.10
Release Date	2025/06/05
Codebase	AST2600 LTS v13.7
Change log	1. Implemented automatic SDR UC/UNR configuration based on different GPU cards (Referencing the SDR list file). 2. Added support for the AIC SB102-SU riser card to enable GPU temperature monitoring. 3. Added BIOS settings configuration to the web page. 4. Added PPIN (Protected Processor Identification Number) field to the System Inventory > Processor page. 5. Updated field structure in the System Inventory > PCIe Devices page: - Removed FirmwareVersion and AssetTag fields. - Migrated PCIe vendor/device name conversion from BMC to BIOS. 6. Updated field structure in the System Inventory > Storage page. - Separated physical and logical devices into distinct sections. - Added health state and negotiated speed fields.
Known Issue	None
Important Notes	1. Must be used with BIOS version Sirg0050 and CPLD version 0.0.15 or later. 2. Please use a RAID card to verify the hard drive temperature and locator LED functions for the system product. 3. GPU temperature monitoring requires one of the following AIC system riser cards: - SB201-SU - SB202-SU - SB102-SU

Firmware Name	4A00SIR010902.ima
Release Version	01.09
Release Date	2025/05/29
Codebase	AST2600 LTS v13.7
Change log	1. Implement automatic detection of PMBus IC_DEVICE_ID to support MPS and Renesas VR sensors. 2. Implement GPU temperature monitoring and universal smart fan control based on GPU temperature. - NVIDIA RTX 4080 - NVIDIA RTX 4090 - NVIDIA RTX 2000E Ada - NVIDIA RTX 4000 Ada - NVIDIA RTX 4500 Ada - NVIDIA RTX 5000 Ada - NVIDIA RTX 6000 Ada - NVIDIA RTX A5000 - NVIDIA RTX A6000 - NVIDIA H100 - NVIDIA A100 PCIe 80GB 3. Implement PSU redis information for redfish. 4. Implement some properties of drives for redfish. 5. Fixed RAID card detection issue after changing Riser or RAID card on the Host OS off. 6. Implement detection GPIO to set LAN IP to 192.168.11.11 for AIC internal use only. 7. Updated SDR list file and add the SDR sensor.
Known Issue	None
Important Notes	1. Due to updating SDR, please do not preserve config while updating firmware. 2. Compatible with the latest BIOS version and CPLD version 0.0.15 or higher. 3. Please use a RAID card to verify the hard drive temperature and locator LED functions for the system product. 4. GPU temperature requires an AIC's riser card to operate.

Firmware Name	4A00SIR010802.ima
Release Version	01.08
Release Date	2025/04/30
Codebase	AST2600 LTS v13.7
Change log	1. Fixed issues with certain sensor types being unable to send SNMP Trap events. 2. Fixed the encoding issue with SNMP trap characters. 3. Fixed sometimes there are 2 throttle events during AC power loss. 4. Fixed missing SDR sensors in WebUI and SNMP. 5. Fixed Sensor Modification issue in the WebUI. 6. Fixed missing password change on first login. 7. Implemented PWM setting for AC power and added IPMI OEM command support (Default PWM duty cycle: 50%). 8. Implemented discrete sensor displayed "Normal" instead of "No state defined". 9. Implemented an IPMI option to retain user settings after firmware updates, restore factory defaults, and backup configurations. 10. Add CPU throttling detecting source. 11. Added help information for Fan Group Info in the WebUI. 12. Added LAN interface description in the WebUI. 13. Added trap definitions to the SNMP MIB file and updated SNMP Trap MIB file to v1.0.4. 14. Updated SDR list file and modify the SDR sensor number. 15. Added an update firmware tool (Yafuflash) compatible with Windows.
Known Issue	None
Important Notes	1. Due to updating SDR, please do not preserve config while updating firmware. 2. Compatible with the latest BIOS version and CPLD version 0.0.15 or higher. 3. Please use a RAID card to verify the hard drive temperature and locator LED functions for the system product. 4. For RAID function test, please perform an AC power-off before replacing the riser card or RAID card.

Firmware Name	4A00SIR010702.ima
Release Version	01.07
Release Date	2025/04/01
Codebase	AST2600 LTS v13.7
Change log	1. Yafuflash Tool upgrade to v7.01.0120. Fix cannot update CPLD FW. 2. Implement the memory trip event for SEL. 3. Implement All AC Lost Interrupt handler and SEL recovery function. (Update) • Add SEL log timing mode and all AC lost retry mechanism. 4. Implement ASM1062 related pin to low in bootloader to prevent mode from abnormal reset. 5. Fix processor presence detection abnormal deassert during DC cycle test 6. Update SNMP Trap MIB File to v1.0.3.
Known Issue	None
Important Notes	1. Firmware version 01.06 and above for project code 4A00 is used to support the universal firmware for most SIRIUS projects. Previous versions were only used to verify the Sirius motherboard. 2. The firmware is only compatible with hardware versions starting from the DVT board and later stage. 3. Supported MIB Version: v1.0 or v1.0.*. Please find AIC MIB file in SNMP_MIB_File directory. 4. Compatible with the latest BIOS version and CPLD version 0.0.15 or higher. 5. Please use a RAID card to verify the hard drive temperature and locator LED functions for the system product. 6. For RAID function test, please perform an AC power-off before replacing the riser card or RAID card.

Firmware Name	4A00SIR010602.ima
Release Version	01.06
Release Date	2025/02/27
Codebase	AST2600 LTS v13
Change log	1. Implement AIC Universal fan table. 2. Implement Platform Integrity page on WebUI. 3. Implement a RAID detection mechanism that supports both 1U and 2U riser cards. 4. Fix incorrect temperature sensor readings in System Inventory page on WebUI. 5. Update Trap MIB File to v1.0.2 for "trapPETPowerUnitTransitionRunningAsserted" and "trapPETPowerUnitTransitionOffAsserted" event.
Known Issue	None
Important Notes	1. Firmware version 01.06 and later for project code 4A00 are used to verify the first phase of universal firmware for most SIRIUS projects. Previous versions were only used to verify the Sirius motherboard. 2. Please use a RAID card to verify the hard drive temperature and locator LED functions for the system product. 3. The firmware is only compatible with hardware versions starting from the DVT board and later stage. 4. Supported MIB Version: v1.0 or v1.0.*. Please find AIC MIB file in SNMP_MIB_File directory. 5. Please perform the tests with BIOS version Sirs0010 and CPLD version 0.0.15 or above. 6. For RAID function test, please perform an AC power-off before replacing the riser card or RAID card.

Firmware Name	4A00SIR010502.ima
Release Version	01.05
Release Date	2025/02/18
Codebase	AST2600 LTS v13
Change log	1. Implement power redundancy mode function. 2. Implement RAID function. 3. Implement replace chassis intrusion function with common function. 4. Implement AIC OEM command for SystemId and SystemSkuld. 5. Implement redirection HTTP requests to HTTPS. 6. Implement auto detect PSU. 7. Implement Sensor Health Identify function. 8. Implement All AC Lost Interrupt handler and SEL recovery function. 9. Implement show discrete sensor alert on Web UI. 10. Implement PSU information on web UI. 11. Implement download data on web UI. 12. Modify manual fan PWM control for each fan. 13. Modify sensor name and setting for SDR. 14. Modify AIC OEM command - Get CPU Info. 15. Modify Lun number of Event Only Log to 0. 16. Fixed CPLD firmware version incorrect format on webUI. 17. Fix [#8456][#8457] PCIe device name showing "NA". 18. Fix [#8606] Incorrect display of PCIe device names in System Inventory page. 19. Fixed FRU Path length too long to cause stack smashing detected terminated issue.
Known Issue	None
Important Notes	1. The SIRIUS MB project code 4A00 will be used for Sirius Motherboard firmware release. 2. The firmware is only compatible with hardware versions starting from the DVT board and later stage. 3. Supported MIB Version: v1.0 or v1.0.*. Please find AIC MIB file in SNMP_MIB_File directory. 4. Please perform the tests with BIOS version Sirs0010 and CPLD

	version 0.0.14 or above.
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Firmware Name	4A00SIR010402.ima
Release Version	01.04
Release Date	2024/11/14
Codebase	AST2600 LTS v13
Change log	1. [Feature] Implement DIMM Status Sensor. 2. [Feature] Implement CPU Status Sensor, including CATERR, FRB2, THERMALTRIP, Processor Throttled, and CPU Present events. 3. [Feature] Implement the Force IP feature when JFORCE_IP1 jumper is connected. 4. [Feature] Implement Wake on LAN feature. 5. [Feature] Implement VR sensor to replace the ADC method. The modified sensors are PVCCD_HV0_CPU0, PVCCD_HV0_CPU1, PVCCD_HV1_CPU0, PVCCD_HV1_CPU1, PVCCINF_CPU0 and PVCCINF_CPU1. 6. Remove the workaround that addressed potential voltage abnormalities detected during system shutdown. Must be in line with the CPLD revision.
Known Issue	1. Please find SIRIUS_Known_issue_20241101.xls to check current known issues.
Important Notes	1. The SIRIUS MB project code 4A00 will be used for Sirius Motherboard firmware release. 2. The firmware is only compatible with hardware versions starting from the DVT board and later stage. 3. Supported MIB Version: v1.0 or v1.0.*. Please find AIC MIB file in SNMP_MIB_File directory. 4. Please perform the tests with BIOS version Sirs0010 and CPLD version 0.0.12 or above.

Firmware Name	4A00SIR010302.ima
Release Version	01.03
Release Date	2024/09/12
Codebase	AST2600 LTS v13
Change log	1. Fix [#7644] Modify SNMP trap V2c V3 trap port from 161 to 162. 2. Fix [#7653] Some OEM commands in the BMC Release Note do not have functionality. 3. Fix [#7612] <Thermal sensor> reading negative values function is not implemented. 4. Fix [#7611] System Inventory Information - Thermal info's threshold setting different from the SDR List. 5. Fix [#7602] BMC FW Name displays incorrectly in BIOS Setup. 6. Fix [#7532] The actual name displayed by the BMC FW is different from that in the FW zip file. 7. Fix [#7591] WebGUI - The "Chassis Identify LED Control" does not sync display the status after the ID button (MB and front-board) is actually pressed. 8. Support CPU0_DTS_Margin 、CPU1_DTS_Margin temperature with the negative reading value normally. 9. Update SDR with new sensor name and sensor order, please refer to SDR list.
Known Issue	1. Please find SIRIUS_Known_issue_20240912.xls to check current known issues.
Important Notes	1. The SIRIUS MB project code 4A00 will be used for the universal firmware release. 2. Supported MIB Version: v1.0 or v1.0.*. Please find AIC MIB file in SNMP_MIB_File directory. 3. Please perform the tests with BIOS version Sirs0010 and CPLD version 0.0.11 or above.

Firmware Name	4A00SIR010202.ima
Release Version	01.02
Release Date	2024/07/12
Codebase	AST2600 LTS v13
Change log	1. Fix [#6397] MB inserts 1 DIMM, but ipmitool sdr can read the temperature of 2 DIMMs. 2. Fix [#7532] The actual name displayed by the BMC FW is different from that in the FW zip file. 3. Fix [#7536][#7537] [#7555] [#7556] Add Fan startup detect threshold. 4. Fix [#7543] "TEMP_JTHM" is different from that of the SDR List. 5. Fix [#7560] BMC clock not synchronized by BIOS. 6. Fix [#7581] WebGUI-Some sensors appear that are not in the SDR List. 7. Support MPS VRM / RENESAS VRM. 8. Update SDR.
Known Issue	None
Important Notes	None