

1. Release Notes for Current Version

Firmware Name	4B00VOL001403.ima
Release Version	00.14
Release Date	2026/02/12
Codebase	AST2600 LTS v13.9
Change log	1. [Feature] Set GPIOG2 as input pin for ASM1062R_RODCHE (RAID MODE CHANGE RESET)
Known Issue	
Important Notes	

2. Release Notes for Previous Version

Firmware Name	4B00VOL001303.ima
Release Version	00.13
Release Date	2025/12/29
Codebase	AST2600 LTS v13.9
Change log	1. [Fix][#10496] Add workaround to prevent partition damage caused by CPU1 failure.
Known Issue	
Important Notes	

3. Release Notes for Previous Version

Firmware Name	4B00VOL001203.ima
Release Version	00.12
Release Date	2025/12/10
Codebase	AST2600 LTS v13.9
Change log	1. [Feature] Support the default configuration restore function in single-image design. 2. [Fix][#10496] Fix the unrecoverable system malfunction issue observed during AC cycle testing. 3. [Fix][#10387] Fix the issue where the KVM session timeout could cause installation failures when booting a Live ISO image via the BMC Web GUI.
Known Issue	
Important Notes	

4. Release Notes for Previous Version

Firmware Name	4B00VOL001103.ima
Release Version	00.11
Release Date	2025/12/04
Codebase	AST2600 LTS v13.9
Change log	1. [Feature] Switched BMC and BIOS to single-image design.
Known Issue	KVM session timeout may cause installation failures when booting a Live ISO image via the BMC Web GUI.
Important Notes	

5. Release Notes for Previous Version

Firmware Name	4B00VOL001003.ima
Release Version	00.10
Release Date	2025/11/27
Codebase	AST2600 LTS v13.9
Change log	1. [#10387] Remove KVM session timeout to work around KVM CD/DVD ISO issue 2. [#10376] [#10348] Fix PCIe Device Inventory display issue 3. [#10300] Fix FRU information corruption issue 4. [#10285] Modify the LC for PVCCIN_P0 in the SDR list file 5. [#8502] [#8500] [#8279] Fix the Lower Critical low-assertion issue in the SEL log during the DC cycle test
Known Issue	
Important Notes	

6. Release Notes for Previous Version

Firmware Name	4B00VOL000903.ima
Release Version	00.09
Release Date	2025/11/04
Codebase	AST2600 LTS v13.9
Change log	1. The code base has been upgraded from AMI LTS-v13.7 to AMI LTSv13.9 2. Remove UNC for CPU0_Temp, FRONT_SIDE_Temp, REAR_SIDE_Temp 3. Remove UNC for JDIMM0_Temp, JDIMM1_Temp, ... and JDIMM7_Temp 4. Modify UC and UNR for FRONT_SIDE_Temp and REAR_SIDE_Temp 5. Modify LC for PVCCIN_P0 6. Fix SNMP trap issue during power cycle test 7. Fix CPU0_Throttled log issue during AC cycle test 8. Update SDR list file 9. Update BMC Firmware Update file
Known Issue	The BMC Web PCIe Function Info page does not display all functions (Function 0 is missing). This is a current BIOS limitation, which will be improved in the next BIOS version.
Important Notes	

7. Release Notes for Previous Version

Firmware Name	4B00VOL000802.ima
Release Version	00.08
Release Date	2025/07/04
Codebase	AST2600 LTS v13
Change log	1. Apply the universal fan table as defined in Universal_Fan_Control_V06_20250623.xlsx (with the VR sensor removed). 2. Added CPU0_DTS_Margin sensor.
Known Issue	None
Important Notes	

8. Release Notes for Previous Version

Firmware Name	4B00VOL000702.ima
Release Version	00.07
Release Date	2025/06/23
Codebase	AST2600 LTS v13
Change log	1. Support BIOS settings on web page 2. Implement RAID card storage info on system inventory page 3. Implement Network Controller Page in System Inventory 4. Implement FAN mode settings via Redfish 5. Update the universal fan table according to Universal_Fan_Control_V06_20250623.xlsx
Known Issue	None
Important Notes	

9. Release Notes for Previous Version

Firmware Name	4B00VOL000602.ima
Release Version	00.06
Release Date	2025/04/24
Codebase	AST2600 LTS v13
Change log	1. Set GPIOG2 to output low in the bootloader for ASM1062R_RODCHE (RAID MODE CHANGE RESET)
Known Issue	None
Important Notes	

10.Release Notes for Previous Version

Firmware Name	4B00VOL000502.ima
Release Version	00.05
Release Date	2025/03/14
Codebase	AST2600 LTS v13
Change log	1. Implement Wake on Lan function 2. Implement Force IP function 3. Impelment Chassis intrusion function 4. Implement Universal smart fan table 5. Implement Power Redundancy Mode function 6. Implement CPU Status sensor 7. Implement ALL AC LOST Interrupt function 8. Implement platform integrity check 9. Modify SDR sensor name and sensor number, please refer to SDR list 10.Support chassis intrusion reset button on web page 11.Support BIOS Onetime boot setting on web page 12.Support Platform Integrity check on web page 13.Support CPLD Firmware Information on web page 14.Fixed [#8504][#8514] BMC sel appeared voltage sensor Lower Critical going low assertion events after AC/DC off
Known Issue	None
Important Notes	

11.Release Notes for Previous Version

Firmware Name	4B00VOL000402.ima
Release Version	00.04
Release Date	2024/11/06
Codebase	AST2600 LTS v13
Change log	1. Fix [#6854] The status of the BMC sdr-chassisintrusion always shows General Chassis intrusion, regardless of whether the Chassis Intrusion Header is short or not. 2. Fix [#6998] No option - "SNMP Trap Versions" in the BMC WebGUI Settings. 3. Fix [#7002] "SNMPv2-SMI" appear in v1 and v3 of snmpwalk. 4. Fix [#7003] snmpwalk V1/V2/V3 Access get data abnormal. 5. Fix [#7005] Unable to recognize the location of MibBrowser-TrapViewer trigger event. 6. Fix [#8282] [#8283] [#8284] [#8285] [#8286] fan driver bugs. 7. Fix [#8293] After executing "ipmitool chassis identify", the ID LED blinks for more than 18 seconds. 8. Fix [#8295] WebGUI - The "Chassis Identify LED Control" does not sync display the status after the ID button (MB and front-board) is actually pressed. 9. Add DIMM/CPU/Watchdog discrete sensors. 10. Read PS_Good from CPLD GPIO. 11. Support Broadcom RAID TP via i2c. 12. Support JBMC_DEFAULT1 jumper function.
Known Issue	None
Important Notes	1. Update code base to LTS 13.7 BeechnutCity.

12. Release Notes for Previous Version

Firmware Name	VOLANS_000301.ima
Release Version	00.03
Release Date	2024/04/02
Codebase	AST2600 LTS v13
Change log	1. Fix [#6863] The SOL will automatically disconnect.(Dedicated NIC) 2. Fix [#6872] The output after the IOL command is executed always lags and sometimes shows "> Error: no response from RAKP 3 message". (Dedicated BMC) 3. Fix [#6901] BIOS Update with BMC via Remote YaFuFlash (Dedicated NIC) fails. 4. Fix [#6935] BMC clock not synchronized by BIOS. 5. Fix [#6940] After AC Power Cycle, the BMC sel appears "Voltage P3V3_VCC_AUX_P0 Lower Critical going low Asserted Reading 0 < Threshold 3.20 Volts". 6. Fix [#6941] After AC Power Cycle, the BMC sel appears "Voltage PVNN_MAIN_P0 Lower Critical going low Asserted Reading 0.01 < Threshold 0.94 Volts". 7. Fix [#6946] The BMC WebGUI logo display is not AIC. 8. Fix [#6960] After plugging in the BMC LAN Cable, it takes a long time to get the BMC ip. 9. Fix [#6978] In the DC power off, the "PVCCFA_EHV_P0" show No Reading in the BMC sdr. 10. Fix [#6996] Dedicated NIC: An error occurs when updating the BIOS in the BMC WebGUI. 11. Fix [#7013] BMC Update via Remote YaFuFlash (Dedicated NIC) fails. 12. Fix [#7014] BMC Update via WebGUI (Dedicated NIC) fails. 13. Fix [#7032] After update image-2 via with Linux (SOC Flash Tool). If the UUT uses image-2, it will cannot power on. 14. Fix [#7034] OEM command : "Get NTP status" return data is abnormal. 15. Fix [#7037] OEM command : Request Data and Response data for "Get CPU Info" is abnormal. Volans only have CPU0. 16. Fix [#7061] BMC Update via Redfish (Dedicated NIC) fails. 17. Set GPIO G2 default output low. 18. Push PWM 0% at system power off.

Known Issue	None
Important Notes	1. Update socflash version to v1.22.10 for #7032

13.Release Notes for Previous Version

Firmware Name	VOLANS_000201.ima
Release Version	00.02
Release Date	2024/03/11
Codebase	AST2600 LTS v13
Change log	1. Fix [#6855] The sensor name of "ipmitool sdr" and "BMC web" is different from the "Display Name" defined by the sdr list - "PVCCFA_EHV_FIVR_P0". 2. Fix [#6856] The "PSU1 Temp" temperature of the BMC sdr shows 0 degrees C. 3. Fix [#6857] The threshold setting for "TEMP_CPU0" is different from the SDR List definition. 4. Fix [#6858] The threshold setting for "PSU_Watt" is different from the SDR List definition. 5. Fix [#6860] After BMC reset, the IP of the Dedicated BMC will disappears. 6. Fix [#6862] When pressing the ID button or perform command "ipmitool chassis identify", the ID LED should be blinking instead of solid. 7. Fix [#6871] Product ID and Product Name of "ipmitool mc info" is abnormal. 8. Fix [#6873] When pressing the ID button continuously, it sometimes doesn't respond. Need wait a few seconds to press again before it reacts. 9. Fix [#6875] BMC Self Test Status is FAILED in BIOS setup menu. 10. Fix [#6880] Web_ The NCSI Interface is displayed as Enabled on the Dedicated BMC. 11. Fix [#6881] ipmitool fru No message 12. Fix [#6885] After BMC reset, the MAC Address be changed. 13. Fix [#6887] After disconnect BMC Dedicate NIC and re-connect is repeated several times, the "ipmitool lan print 1" will no IP Address.ip 14. Fix [#6897] After setting the BMC IP source (Dedicated) from Static to DHCP, its IP will disappears. 15. Fix [#6898] After setting the BMC IP source (Dedicated) from DHCP to Static, the IOL connection will abnormal. 16. Fix [#6900] BMC Self Test Results as device error and [cannot access

	BMC FRU]. 17. Fix [#6938] After removing a power cord, the PSU_Watt of BMC sdr shows 0 Watts. 18. Fix [#6943] Press Reset via Pushbutton for reset UUT, the command "ipmitool chassis restart_cause"s return data is wrong. 19. Fix [#6944] Press power pushbutton to turn on the UUT, the command "ipmitool chassis restart_cause"s return data is wrong. 20. Add PSU2_Status, PSU2_Temp sensor. 21. Rename sensor PSU1 Temp to PSU1_Temp.
Known Issue	None
Important Notes	1. Dedicate NIC in 1G speed is unstable. It will drop packet.

14. Release Notes for Previous Version

Firmware Name	VOLANS_000101.ima
Release Version	00.01
Release Date	2024/02/20
Codebase	AST2600 LTS v13
Change log	First Release
Known Issue	None
Important Notes	None