IPMI Firmware / BIOS Release Notes Form

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	Twansa
Product Name	X11DSC+
Release Version	3.8a
Release Date	10/28/2022
Previous Version	3.5
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	1.[Enhancements] Change BIOS revision to 3.8a.
	2.[Enhancements] Update SATA/sSATA EFI driver to VROC PreOS
	v7.7.0.1054.
	3.[Enhancements] Update AEP uEFI driver to 1.0.0.3531 for
	IPU2021.2.
	4.[Enhancements] Update AMI label 5.14_PurleyCrb_0ACLA054 for
	RC0616.D08 2021.2 IPU. For INTEL-SA-00527 Security
	Advisory to address CVE-2021-0103(8.2, High), CVE-2021-0114(7.9,
	High), CVE-2021-0115(7.9, High), CVE-2021-0116(7.9,
	High), CVE-2021-0117(7.9, High), CVE-2021-0118(7.9, High), CVE-2021-
	0099(7.8, High), CVE-2021-0156(7.5, High), CVE-
	2021-0111(7.2, High), CVE-2021-0107(7.2, High), CVE-2021-0125(6.7,
	Medium), CVE-2021-0124(6.3, Medium), CVE-2021-

0119(5.8, Medium), CVE-2021-0092(4.7, Medium), CVE-2021-0091(3.2, Low) and CVE-2021-0093(2.4, Low) security issues.

5.[Enhancements] Updated Intel Server Platform Services for Purley Refresh Server Platforms IPU2021.2 HF1 4.1.4.654.

6.[Enhancements] Update BIOS ACM 1.7.51, SINIT ACM 1.7.51 PW. For INTEL-SA-00527 Security Advisory to address CVE-2021-0103(8.2, High), CVE-2021-0114(7.9, High), CVE-2021-0115(7.9, High), CVE-2021-0116(7.9, High), CVE-2021-0117(7.9, High), CVE-2021-0118(7.9, High), CVE-2021-0099(7.8, High), CVE-2021-0156(7.5, High), CVE-2021-0111(7.2, High), CVE-2021-0107(7.2, High), CVE-2021-0125(6.7, Medium), CVE-2021-0124(6.3, Medium), CVE-2021-0119(5.8, Medium), CVE-2021-0092(4.7, Medium), CVE-2021-0091(3.2, Low) and CVE-2021-0093(2.4, Low) security issues.

7.[Enhancements] Updated Skylake-SP/Cascade Lake-SP CPU PV microcode. Updated Skylake-SP H0/M0/U0 stepping CPU PV microcode MB750654_02006C0A. Update Cascade Lake-SP B0 stepping CPU PV microcode MBF50656_0400320A. Update Cascade Lake-SP B1 stepping CPU PV microcode MBF50657_0500320A. For INTEL-SA-00532 Security Advisory to address CVE-2021-0127(5.6, Medium) security issue. For INTEL-SA-00365 Security Advisory to address CVE-2020-8673(4.7,

Medium) security issue.

8.[Enhancements] Update AMI label 5.14_PurleyCrb_OACLA056 for RC0622.D07 2022.2 IPU. (1). For INTEL-SA-00601 Security Advisory to address CVE-2021-0154(8.2, High), CVE-2021-0153(8.2, High), CVE-2021-33123(8.2, High), CVE-2021-0190(8.2, High), CVE-2021-33122(7.9, High), CVE-2021-33060(7.8, High), CVE-2021-0189(7.5, High), CVE-2021-33124(7.5, High), CVE-2021-0188(5.3, Medium) and CVE-2021-0155(4.4, Medium) security

issues. (2). For INTEL-SA-00615 Security Advisory to address CVE-2022-21123(6.1, Medium), CVE-2022-21127(5.6, Medium), CVE-2022-21125(5.5, Medium) and CVE-2022-21166(5.5, Medium) security issues. (3). For INTEL-SA-00616 Security Advisory to address CVE-2021-21131(3.3, Low) and CVE-2021-21136(2.7, Low) security issues.

9.[Enhancements] Updated Skylake-SP/Cascade Lake-SP CPU PC microcode for IPU 2022.2. (1). For INTEL-SA-00601 Security Page 1 of 4 SM Form #123, Rev. H (Issued 01/08/16) Advisory to address CVE-2021-0154(8.2, High), CVE-2021-0153(8.2, High), CVE-2021-33123(8.2, High), CVE-2021-0190(8.2, High), CVE-2021-33122(7.9, High), CVE-2021-33060(7.8, High), CVE-2021-0189(7.5, High), CVE-2021-33124(7.5, High), CVE-2021-33103(7.5, High), CVE-2021-0159(7.4, High), CVE-2021-0188(5.3, Medium) and CVE-2021-0155(4.4, Medium) security issues. (2). For INTEL-SA-00615 Security Advisory to address CVE-2022-21123(6.1, Medium), CVE-2022-21127(5.6, Medium), CVE-2022-21125(5.5, Medium) and CVE-2022-21166(5.5, Medium) security issues. (3). For INTEL-SA-00616 Security Advisory to address CVE-2021-21131(3.3, Low) and CVE-2021-21136(2.7, Low) security issues.

- 10.[Enhancements] Update token RC_VERSION_VALUE setting to 622.D07. Update token PRICESSO_0_UCODE_VERSION setting to 02006E05. Update token FW_SPS_VERSION setting to 4.1.4.804.
- 11.[Enhancements] Fix show wrong DIMM location in event log page.
- 12.[Enhancements] Modify String naming from SMCI to Supermicro.
- 13.[Enhancements] Remove "Vendor Keys" in security page.
- 14.[Enhancements] [SMIHandlerSecurityFix] 1.Refine SMM buffer validation in SmmSmbiosELogInitFuncs.c 2.Allocate runtime buffer to trigger ELog SMI in DxeSmmRedirFuncs.c

15.[Enhancements] Update AEP uEFI driver to 01.00.00.3534 for IPU2022.2. 16.[Enhancements] Update BIOS ACM 1.7.54, SINIT ACM 1.7.55 PW for IPU2022.1 to address Intel-TA-00161: CVE-2021-0159 (7.8 High) CVE-2021-33123 (8.2 High) and CVE-2021-33124 (7.5 High) 17.[Enhancements] Update VROC SATA/sSATA EFI driver to VROC PreOS v7.8.0.1012 to address 1. Data Loss Exposure Due to RAID 5 TRIM Support. Document #737276. 2. INTEL-TA-00692. CVE-2022-29919(7.8 High), CVE-2022-30338(6.7 Medium), CVE-2022-29508(6.3 Medium), CVE-2022-25976(5.5 Medium) 18.[Enhancements] Modify the allocated buffer from EfiBootServicesData to EfiRuntimeServicesData. 19.[Enhancements] Disable MROM1 device since product doesn't use Intel IE function. 20.[Enhancements] Update DBX file to fix Secure Boot Bypass issue. 21.[Enhancements] Update AMI label 5.14 PurleyCrb 0ACLA057 for RC0623.D09 2022.3 IPU. (1) For INTEL-TA-00610 Security Advisory to address CVE-2022-26845 (8.7 High), CVE-2022-27497(8.6 High), CVE-2022-29893 (8.1 High), CVE-2021-33159 (7.4 High), CVE-2022-29466(7.3 High), CVE-2022-29515(6.0 Medium) security issues. (2) For INTEL-TA-00688 Security Advisory to address CVE-2022-26006 (8.2 High), CVE-2022-21198(7.9 High) security issues. 22.[Enhancements] Update token RC VERSION VALUE setting to 623.D09. Update token PRICESSO_0_UCODE_VERSION setting to 02006E05. Update token FW SPS VERSION setting to 4.1.4.804. 23.[Enhancements] Update Intel DCPM UEFI driver to 1.0.0.3536. None New features

Fixes	1.[Fixes] Enabled IScsi_SUPPORT on Purley generation.
	2.[Fixes] Fix OA2 key injection issue.

Release Notes from Previous Release(s)

3.5(06/01/2021)

1.[Enhancements] Update RC 612.D02 for INTEL-SA-00463 Security Advisory to address CVE-2020-12357(7.5, High), CVE-

2020-8670(7.5, High), CVE-2020-8700(7.5, High), CVE-2020-12359(7.1, High), CVE-2020-12358(6.7, Medium), CVE-2020-

12360(5.6, Medium), CVE-2020-24486(5.5, Medium) and CVE-2020-0589(3.8, Low) security issues.

2.[Enhancements] Update BIOS ACM 1.7.43, SINIT ACM 1.7.4A PW for INTEL-SA-00463 Security Advisory to address CVE-

2020-12357(7.5, High), CVE-2020-8670(7.5, High), CVE-2020-8700(7.5, High), CVE-2020-12359(7.1, High), CVE-2020-

12358(6.7, Medium), CVE-2020-12360(5.6, Medium), CVE-2020-24486(5.5, Medium) and CVE-2020-0589(3.8, Low)

security issues.

3.[Enhancements] Updated Skylake-SP/Cascade Lake-SP CPU PV microcode for INTEL-SA-00464 Security Advisory to

address CVE-2020-24511(5.6, Medium) and CVE-2020-24512(2.8, Low) security issues.

- 4.[Enhancements] Updated Intel Server Platform Services for Purley Refresh Server Platforms 4.1.4.505.
- 5.[Enhancements] Support IPMI UEFI PXE boot to all LAN port feature.
- 6.[Enhancements] Update SATA/sSATA EFI driver to VROC PreOS v7.5.0.1152.
- 7.[Enhancements] This system cannot boot into PXE with DVD installed.
- 8.[Enhancements] Support IPv6 HTTP Boot function.
- 9.[Enhancements] Correct typo in "PCIe PLL SSC" setup item help string.
- 10.[Enhancements] Remove intel lan memory 4G limit if boot mode is not legacy.
- 11.[Enhancements] Update AEP FW to FW 1.2.0.5446, uEFI driver to 3515 for IPU2021.1.
- 12.[Enhancements] Sync IPv6 status detection rule with BMC to make sure IPv6 status is the same in BIOS and BMC web.
- 13. [Fixes] Fix "Configuration Address Source" always show "DHCP" in IPMI IPv6 page.
- 14.[Fixes] Fixed UEFI OS boot option name shows incorrectly in BIOS setup.

3.4 (02/05/2021)

- 1.[Enhancements] Updated BIOS ACM 1.7.41, SINIT ACM 1.7.49 PW to addresses Intel-TA-00358: CVE-2020-0588 (3.8 Low) and CVE-2020-0590. (7.7 High)
- 2.[Enhancements] Updated SPS 4.1.4.423 to address Intel-TA-00391: CVE-2020-8755 (4.6 Medium) CVE-2020-8705 (7.1 High)
- 3.[Enhancements] Updated Skylake-SP/Cascade Lake-SP CPU PV microcode from 20200918_NDA Release to address Intel-TA-00381: CVE-2020-8696 (2.5 Low) and MD_Clear Errata, MOB Speedpath and IRR Restore with RS Throttle (ITR #2).
- 4.[Enhancements] Enhanced SMCI HDD Security feature.
- 5.[Enhancements] Added force next boot to UEFI Shell via IPMI support.
- 6.[Enhancements] Added function to move all LANs to the top of boot priority when IPMI force PXE.
- 7.[Enhancements] Add inband flash status event log to IPMI MEL.

- 8.[Enhancements] Correct "Station MAC Address" display order when "Configuration Address Source" set to "Static".
- 9.[Enhancements] Support AOC-SHG3-4M2P card sensor reporting in VMD mode.
- 10.[Enhancements] Update 5.14_PurleyCrb_OACLA052_BETA for RC update and 2020.2 IPU PV to addresses Intel-TA-00358: CVE-2020-0587 (6.7 Medium), CVE-2020-0591 (6.7 Medium), CVE-2020-0592 (3 Low), Intel-TA-00390: CVE-2020-0593 (4.7 Medium), CVE-2020-8738 (7.5 High), CVE-2020-8739 (4.6 Medium), CVE-2020-8740 (6.7 Medium), CVE-2020-8764 (8.7 High) INTEL-TA-00391: CVE-2020-8752(9.4, Critical), CVE-2020-8753(8.2, Critical), CVE-2020-12297(8.2, Critical), CVE-2020-8745(7.3, Critical), CVE-2020-8755(5.1, Critical), CVE-2020-12303(7.0, Critical), CVE-2020-8757(6.3, Medium), CVE-2020-8756(6.3, Medium), CVE-2020-8760(6.0, Medium), CVE-2020-8754(5.3, Medium), CVE-2020-8747(4.8, Medium), CVE-2020-8760(6.0, Medium), CVE-2020-8749(4.2, Medium), INTEL-SA-00358: CVE-2020-0590(7.7, High), CVE-2020-0587(6.7, Medium), CVE-2020-0591(6.7, Medium), CVE-2020-0593(4.7, Medium), CVE-2020-0588(3.8, Low), CVE-2020-0592(3.0, Low). INTEL-TA-00391: CVE-2020-8744(7.2, High), CVE-2020-8705(7.1, High), CVE-2020-8755(4.6, Medium). AMI SA50080 and AMI SA50081: CVE-2020-0570(7.6, High), CVE-2020-0571(5.5, Medium) and CVE-2020-8675(7.1, High). AMI SA-50085: CVE-2020-10713 (8.2, High) AMI SA-50084: CVE-2020-10255 (9, High)
- 11.[Enhancements] Updated Intel Server Platform Services for Purley Refresh Server Platforms HF 4 PLR 4.1.4.450
- 12.[Enhancements] Updated Skylake-SP/Cascade Lake-SP CPU PV microcode from 20210125_NDA Release
- 13.[Enhancements] Update SATA/sSATA EFI driver to VROC PreOS v7.5.0.1150.
- 14.[Enhancements] Support IPMI UEFI PXE boot to all LAN port feature.
- 15.[Enhancements] This system cannot boot into PXE with DVD installed.
- 16.[Fixes] Update AMI EIP563137 to fix some BIOS items (like boot mode item) load default failure issue with some configurations (like with Micron M.2 or HGST SATA M.2)
- 17.[Fixes] Fixed UEFI SCT test found the "UEFI Compliant Boot from iSCSI peripheral" fail.
- 18.[Fixes] Fixed system hang during flashing BIOS if enabled Watch Dog Function.
- 19.[Fixes] Fixed 6240R and some refresh 4 serial CPU freq. can't reach the highest when enabling mwait.
- 20.[Fixes] Fixed BMC firmware revision may not correct in BIOS Setup.
- 21.[Fixes] Fixed System hang 0xB2 problem with some NVME device.
- 22.[Fixes] Fixed system will hang at POST code 0xA0 or 0xA2 when using non-support security NVME device and install Hyper-V with Windows 2019.
- 23.[Fixes] Fixed system hanging when plug AOC-MIBE6-m1C.
- 24.[Fixes] Fix "Configuration Address Source" always show "DHCP" in IPMI IPv6 page.
- 25.[Fixes] Failed to use SUM to change DCPMM setup item settins.
- 26.[Fixes] Fixed BIOS cannot detect riser card when install AOC-S100G-b2C after reboot system problem.
- 27.[Fixes] Update AMI EIP563137 to fix some BIOS items (like boot mode item) load default failure issue with some configurations (like with Micron M.2 or HGST SATA M.2)
- 28.[Fixes] Fixed UEFI SCT test found the "UEFI Compliant Boot from iSCSI peripheral" fail.
- 29.[Fixes] Fixed system hang during flashing BIOS if enabled Watch Dog Function.
- 30.[Fixes] Fixed 6240R and some refresh 4 serial CPU freq. can't reach the highest when enabling mwait.
- 31.[Fixes] Fixed BMC firmware revision may not correct in BIOS Setup.
- 32.[Fixes] Fixed System hang 0xB2 problem with some NVME device.
- 33.[Fixes] Fixed system will hang at POST code 0xA0 or 0xA2 when using non-support security NVME device and install Hyper-V with Windows 2019.
- 34.[Fixes] Fixed system hanging when plug AOC-MIBE6-m1C.

- 35.[Fixes] Fix "Configuration Address Source" always show "DHCP" in IPMI IPv6 page.
- 36.[Fixes] Failed to use SUM to change DCPMM setup item settins.
- 37.[Fixes] Fixed BIOS cannot detect riser card when install AOC-S100G-b2C after reboot system problem.

3.3 (02/21/2020)

- 1. Patched problem of system hanging at 94 with new NVidia RTX 6000/8000.
- 2. Enabled saving memory CE location into PPR variable at runtime even if memory correctable error reporting is disabled.
- 3. Added sighting CLX28 workaround and downgraded patrol scrub UC to CE.
- 4. Added SMC HDD Security feature.
- 5. Added support for Redfish feature.
- 6. Updated BIOS ACM 1.7.40 and SINIT ACM 1.7.48 PW.
- 7. Updated Skylake-SP/Cascade Lake-SP CPU microcode for Intel-SA-00329 (CVE2020-0548 2.8 Low and CVE2020-0549 6.5 Medium), Intel-SA-00288 (CVE2019-11157 5.3 Medium), and Intel-SA-00317 (CVE2019-14607 7.9 High).
- 8. Added support for Redfish functions.
- 9. Updated AMI label 5.14 PurleyCrb OACLA050 beta for IPU2020.1 PV.
- 10. Updated SPS E5 04.01.04.381 from IPU 2020.1 PV.
- 11. Added setup item "HDD password prompt Control" to control "Hard-Drive Password Check" for enabling/disabling HDD password prompt window during POST.
- 12. Removed requirement to use Admin password for erasing TCG device.
- 13. Fixed problem of two CentOS boot items occurring in boot order if CentOS is installed in RAID 1 system.

3.2 (10/18/2019)

- 1. Updated AMI label 5.14_PurleyCrb_OACLA049_BETA for BKC WW36 IPU 2019.2 and AMI security update SA50072.
- 2. Updated SINIT/BIOS ACM from BKC WW36 IPU 2019.2 to address CVE-2019-0151 and CVE-2019-0152.
- 3. Updated SPS E5 04.01.04.339.0 from BKC WW36 IPU 2019.2 to address PSIRT-TA-201905-011.
- 4. Updated Skylake-SP and Cascade Lake-SP CPU microcode.
- 5. Displayed Setup item "ARI Support".
- 6. Added setup item to control 16Gb based Single Die Package DIMM tRFC optimization.
- 7. Disabled ADDDC/SDDC and set PPR as hPPR.
- 8. Added Enhanced PPR function and set disabled as default.
- Removed PXE option for "OnBoard LanX Option ROM" when "Boot mode select" is UEFI.
- 10. Corrected display of the IPMI AUX revision.

3.1 (5/22/2019)

- 1. Added support for Purley Refresh platform.
- 2. Enhanced BIOS setup menu to auto-switch the Option ROM's value and hide the unexpected value when boot mode changes.
- 3. Updated to SPS 4.0.04.381 or above for INTEL-SA-00213 Security Advisory.
- 4. Updated Skylake-SP/Cascade Lake-SP CPU microcode.
- 5. Updated Intel BKCWW16 2019 PV PLR1.
- 6. Updated SPS_E5_04.01.04.296.0 from BKC WW16 2019.
- 7. Updated EIP467272 for AMI SA50069, SA50070.
- 8. Set SDDC Plus One or SDDC to disabled by default.

- 9. Updated SATA/sSATA RAID OPROM/EFI driver to VROC PreOS v6.1.0.1017.
- 10. Set ADDDC to enabled by default.
- 11. Fixed problem of UUID showing IPMI MAC incorrectly after disabling onboard LAN chip.
- 12. Temporarily fixed error for SKX (CLX) 4114 CPU memory training with Micron (18ASF2G72PDZ-2G6E1) RDIMM.
- 13. Fixed failure to boot into VMware OS when set to Maximum Performance even if Monitor/MWAIT is enabled.
- 14. Fixed problem of system halting or rebooting at POST code 0xB2 or 0x92 when total GPT partition number is more than 256 and RSD is enabled.
- 15. Fixed problem of "?[1;31;40m" showing on POST screen when EFI driver is "Unhealthy".
- 16. Fixed inability to change IPv6 address or IPv6 Router1 IP address.
- 17. Set Leaky Bucket that can decrease one memory correctable error count within 2.15 minutes with threshold 512.
- 18. Fixed malfunction of workaround for GPU P2P low bandwidth.

3.0b (3/4/2019)

- 1. Added support for Purley Refresh platform.
- 2. Updated CPU microcodes from SRV P 270.
- 3. Updated SINIT ACM 1.7.2 PW from BKC WW06 2019.
- 4. Updated SPS_E5_04.01.04.251.0 from Intel VIP Kit #130885.
- 5. Updated SATA RAID OPROM/EFI driver to RSTe PreOS v6.0.0.1024.
- 6. Set PCIe correctable and uncorrectable (non-fatal) error report to disabled by default.
- 7. Added support for RFC4122 UUID format feature to set RFC4122 encoding from build time produced by IPMICFG 1.29 tool or newer.
- 8. Disabled unused SPS ME "CUPS IIO" and "Volumetric Airflow" sensor.
- 9. Added support for Linux built-in utility efibootmgr.
- 10. Updated IPv6 router-related setup item string.
- 11. Reduced redundant reboot for offboard VGA switching.
- 12. Set NVDIMM ADR timeout to 600us.
- 13. Updated to SPS 4.1.02.174 or above for INTEL-SA-00185 Security Advisory and RC 549.D13 or above for INTEL-SA-00192 Security Advisory.
- 14. Fixed problem of setup item "Quiet Boot" staying enabled after flashing BIOS with "Quiet Boot" disabled.
- 15. Modified UEFI network description to IPv4/IPv6 to follow Industry Standard.
- 16. Patched problem of system hanging at 0x94 when plugging in Nvidia Tesla T4 card.
- 17. Fixed inability of "Network Stack"-related items to get/change via SUM OOB method.

2.1 (7/6/2018)

- 1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 & CVE-2018-3640) security issue.
- 2. Updated BIOS ACM 1.3.7 and SINIT ACM 1.3.4.
- 3. Updated SPS 4.00.04.340 PL version.
- 4. Updated 5.12_PurleyCrb_0ACFD088 for Purley Skylake platform PLR7, BKC 2018 WW20.
- 5. Updated SATA RAID OPROM/EFI driver to RSTe PreOS v5.4.0.1039.
- 6. Added support for UEFI mode PXE boot of F12 hot key Net boot.
- 7. Added BIOS/ME downgrade check for SPS 4.0.4.340.
- 8. Added support for RFC3021.
- 9. Corrected help message for TPH BIOS setup items.
- 10. Displayed PPR setup item.

- 11. Added support for SATA FLR with enabled as default.
- 12. Added a patch to prevent reboot hang when installing AVAL APX-3224 card.
- 13. Added one event log to record that the event log is full.
- 14. Fixed problem of SUM GetSataInfo showing incorrect "Configuration Type" when setting "Configure sSATA as" to "AHCI" or "RAID" on sSATA controller.
- 15. Fixed problem of Ctrl + Alt + Del causing system to hang after flashing BIOS.
- 16. Fixed inability of AFUWIN to keep VMD setting.
- 17. Fixed failure of WDT function.
- 18. Fixed inability of SMBIOS Type 40 to report SIOM card AOC-MTG-i2T/i4T information.
- 19. Fixed problem of system repeatedly rebooting when SIOM card AOC-MTG-i4T is plugged in.

2.0b (2/26/2018)

- 1. Updated 5.12_PurleyCrb_0ACFD085Beta for Purley Skylake platform PLR 4, BKC WW02.
- 2. Updated SPS 4.00.04.294 PLR 3.1 PV version.
- 3. Updated DMI CTLE value.
- 4. Updated re-driver for AOC-SLG3-2E4R.
- 5. Added setup item "SmcBusMasterEn" for enabling Parent bridge of the devices in the gSmcPciForceEnableBusMasterList.
- 6. Displayed setup item "ACS Control" to Enable/Disable PCIe Access Control Services Extended Capability, with Enabled as default.
- 7. Updated CPU microcode SRV_B_216 for Skylake-SP H0/M0/U0 stepping CPUs.
- 8. Updated BIOS version to 2.0b.
- 9. Updated BIOS ACM 1.3.5 and SINIT ACM 1.3.3.
- 10. Changed maximum speed in SMBIOS type 4 to 4500Mhz.
- 11. Added one event log to record that the event log is full.
- 12. Added support for VMD settings to be preserved after flashing.
- 13. Changed RC default setting to upgrade POST Memory correctable error to uncorrectable error and map out the channel.
- 14. Fixed inability of BIOS to boot into OS with Intel P3608 PCIe NVMe drive installed.
- 15. Fixed issue with IPMI force boot.
- 16. Fixed issue of all commands requesting to be persistent.
- 17. Fixed malfunction of "SMBIOS Preservation" Disabled.
- 18. Fixed problem of SMC skipping first boot option in UEFI mode when retrying boot.
- 19. Fixed problem of the endpoint PCIe device having error bits in PCI Status or Device Status register.
- 20. Fixed inability to set memory policy.
- 21. Fixed inability to reset the system under DOS by pressing "Ctrl-Alt-Del" on USB keyboard when "Port 60/64 Emulation" is disabled.
- 22. Fixed failure of BIOS ECO ATT test case 306.
- 23. Disabled CPU2 IIO PCIe root port ACPI hot plug function.
- 24. Fixed inability of some CPUs to display correct microcode revision under BIOS setup menu.s