

# IPMI Firmware / BIOS Release Notes Form

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<b>Product Name</b>	<b>H12SSL-i/C/CT/NT</b>
<b>Release Version</b>	<b>2.3</b>
<b>Release Date</b>	<b>10/20/2021</b>
<b>Previous Version</b>	<b>2.1</b>
<b>Update Category</b>	<b>Recommend</b>
<b>Dependencies</b>	<b>N/A</b>
<b>Important Notes</b>	<b>BIOS image: BIOS_H12SSL-1B95_20210602_2.1_STDsp.bin</b> <b>Please update BIOS with attached Flash Utility in package or IPMI web “Maintenance” -&gt; “Firmware Management”.</b>  <b>R2.00 or greater BIOS has to work with BMC version equal or great than R1.00.32</b> <b>If your BMC firmware version below R1.00.32, please update BMC firmware to R1.00.32 or greater before update to R2.00 BIOS.</b>
<b>Enhancements</b>	<ol style="list-style-type: none"><li>1. Update BIOS revision.</li><li>2. Add Redfish/SUM Secure Boot feature, update OOB for secure boot and reserve Key.</li><li>3. Refer Whitley SVN 3116/3114 to update SmcHttpBoot module.</li><li>4. Per AMD's suggestion, set Relaxed Ordering default to Enabled.</li><li>5. Update AGESA RomePI to 1.0.0.C.</li><li>6. Exposed Setup item "Enhanced Preferred IO Mode".</li><li>7. Update AGESA MilanPI to 1.0.0.6.</li><li>8. Update Milan B0/B1 stepping CPU microcode and AMD EPYC 7003 with AMD 3D-V cache B2 stepping CPU microcode to patch Erratum #1381 Processor May Hang When Coherency Probe Hits Instruction Cache Line While Evicted.</li><li>9. a) BMC implemented a workaround for getting around this issue. (BMC FW need 1.01.01(SW-BMC)/1.01.07(HW1) or later version), b) Supported EUI-48 Locally Administered MAC Address. c) Degenerated the Device Type of Interface Specific Data in Redfish Host Interface DMI type 42 from USB V2 (0x04) to USB V1 (0x02)</li><li>10. Disable EFI iSCSI support for security concern.</li></ol>

	<p>11. Exposed Setup items "BankGroupSwapAlt", "SEV-SNP Support", "Enhanced Preferred IO Mode" and "Root Complex 0x00~0xE0 LCLK Frequency".</p> <p>12. Disable "Wait For "F1" If Error".</p>
<b>New features</b>	<b>N/A</b>
<b>Fixes</b>	1. BIOS didn't update AMD CBS tokens correctly
<p><b>2.1 (06/02/2021)</b></p> <ol style="list-style-type: none"> <li>1. Update BIOS revision.</li> <li>2. Description: Update AGESA RomePI to 1.0.0.B.</li> <li>3. Set all OPRM control items to Legacy when boot mode set to Dual.</li> <li>4. Add Redfish/SUM Secure Boot feature, update OOB for secure boot and reserve Key.</li> <li>5. Remove legacy iSCSI support of H12 BIOS.</li> <li>6. Added force next boot to UEFI Shell support.</li> <li>7. Update AGESA MilanPI to 1.0.0.2.</li> <li>8. Update A011 GN B1 microcode 0A00111D.</li> <li>9. Install U.2 NVMe device on BPN, the device cannot hot plug under windows.</li> <li>10. Fixed BIOS recovery happened used AFU to clear event log and then AC cycle the system.</li> </ol> <p><b>2.0 (02/22/2021)</b></p> <ol style="list-style-type: none"> <li>1. [Rome/Next gen BIOS] Change BIOS revision to 2.0.</li> <li>2. [Next gen BIOS] Update AGESA Next genPI to 1.0.0.1</li> <li>3. [Next gen BIOS] Update A011 GN B1 microcode 0A001119</li> <li>4. [Rome BIOS] Update AGESA RomePI to 1.0.0.A</li> <li>5. [Rome/Next gen BIOS] Fix IPV6 disable in the IPMI GUI but BIOS initialize will appear IPV6 address</li> <li>6. [Rome/Next gen BIOS] Per Platform Management FRU Information Storage Definition v1.1 to enhance SMBIOS Type39 System Power Supply information.</li> <li>7. [Rome BIOS] Update 8310 SSP-B0 microcode 830104D.</li> <li>8. [Rome BIOS] Expose Relaxed Ordering setup item.</li> <li>9. [Rome BIOS] Support two different Type 41 name description for Broadcom LAN 1G/10G SKU</li> <li>10. [Rome BIOS] Support preserve BIOS password feature for ROT project.</li> <li>11. [Rome BIOS] Add the workaround for CPLD 18h BOOT_OK problem until CPLD fix the issue.</li> <li>12. [Rome BIOS] Exposed below items for GPU performance tuning.</li> <li>13. 1. TSME, 2. DDR Power Down Enable, 3. PCIe Ten Bit Support</li> <li>14. Fixed "Update IPMI LAN Configuration" will keep Yes when "IPv6 support" setup item disabled.</li> <li>15. Fixed SATA SGPIO LED not active issue</li> </ol>	

16. Fixed the incorrect M.2 description in SMBIOS type 9 and BIOS setup
17. [Rome BIOS] Support dynamic adjust the SATA strings for H12SSL-NT only.