**Corsair Xenomorph BIOS**

### Xenomorph 1.38 BIOS 2022/11/11

**About This Release:**

* + - BIOS File : Xenomorph138.ROM
    - Checksum : 0x9CCE74D1
    - Release Date : 11/11/2022
    - BIOS version : Xenomorph 1.38
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016 B0: 0A404002 B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.4a Patch R
    - AGESA Boot Loader : (DDR5) 2A077010
    - PSP FW Version : 0.28.0.66
    - SMU FW Version : A0:69.64.0 B0: 4.69.55.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.4.4 / Rembrandt X37 VBIOS

**New Fixes/Features:**

1. [EC]Update EC to 1.23 version.

**Corsair Xenomorph BIOS**

### Xenomorph 1.37 BIOS 2022/11/04

**About This Release:**

* + - BIOS File : Xenomorph137.ROM
    - Checksum : 0x9CCD2313
    - Release Date : 11/04/2022
    - BIOS version : Xenomorph 1.37
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016 B0: 0A404002 B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.4a Patch R
    - AGESA Boot Loader : (DDR5) 2A077010
    - PSP FW Version : 0.28.0.66
    - SMU FW Version : A0:69.64.0 B0: 4.69.55.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.4.4 / Rembrandt X37 VBIOS

**New Fixes/Features:**

1. [BIOS]Update kernel code to 5.24\_1AXYD\_PI1.0.0.4A Patch Q.
2. [BIOS&EC]Slipstream WA for reset device when "ready to boot".
3. [BIOS&EC]Memory WDT reset CMOS&VDD for tRP/tRCD timing fail.
4. [EC]Update EC to 1.22 version.
5. [BIOS]BIOS enhancement:

Increase the size of mouse pointers.

Fixed using CMD line to enter the BIOS setup, the first time can not be controlled through the keyboard.

1. [BIOS]Disable SAG on dGPU mode:

[EXT-74594](https://ontrack.amd.com/browse/EXT-74594) After switching from Hybrid to dGPU mode in BIOS. Windows display Scale will be 200% by default.

[EXT-74589](https://ontrack.amd.com/browse/EXT-74589)Brightness HOT KEY function are malfunction after set graphic as dGPU mode in BIOS.

[EXT-74456](https://ontrack.amd.com/browse/EXT-74456) The brightness cannot be adjusted in dGPU mode.

1. [BIOS]Memory EXPO :

PLAT-111957[RMB] Enable Expo feature on RMB for Corsair.

PLAT-106592[RMB FP7r2] Need ability to separately control VDD and VDDQ in AOD for EXPO.

PLAT-117308[RMB FP7r2][Memory OC]VDDP\_DDR5 should be set at least 0.85v if memory speed is higher than 4800.

PLAT-113527[RMB] DDR training run twice due to MCR after first flash.

PLAT-113527[RMB][FP7] Align the CPM DDI config to avoid APCB be update on first boot.

Setting FCLK to 2000 MHz for Freq>4800.

1. [BIOS&EC]Enable BIOS Crisis , trigger on PEI phase via Streamdeck "S7" or external keyboard "Ctrl+Home".
2. [BIOS] The "first boot time after BIOS update" is 1:25.

Due to the Bios crisis it took an additional 5 seconds to initialize USB device in PEI phase.

**Corsair Xenomorph BIOS**

### Xenomorph 1.36 BIOS 2022/09/23

**About This Release:**

* + - BIOS File : Xenomorph136.ROM
    - Checksum : 0x9CE7586B
    - Release Date : 09/23/2022
    - BIOS version : Xenomorph 1.36
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016 B0: 0A404002 B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.4a Patch K
    - AGESA Boot Loader : (DDR5) 28037010
    - PSP FW Version : 0.28.0.66
    - SMU FW Version : A0: 69.64.0 B0: 4.69.50.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.4.4 / Rembrandt X37 VBIOS

**New Fixes/Features:**

1. Update EC to 1.20 version.
2. Disable SAG on dGPU mode.

[EXT-74594](https://ontrack.amd.com/browse/EXT-74594) After switching from Hybrid to dGPU in BIOS. Windows display Scale will be 200% by default

[EXT-74589](https://ontrack.amd.com/browse/EXT-74589)Brightness HOT KEY function are malfunction after set graphic as dGPU mode in BIOS.

[EXT-74456](https://ontrack.amd.com/browse/EXT-74456) The brightness cannot be adjusted in Dgpu mode.

**Note:**

**For reviewer use only**

**Corsair Xenomorph BIOS**

### Xenomorph 1.35 BIOS 2022/08/16

**About This Release:**

* + - BIOS File : Xenomorph135.ROM
    - Checksum : 0x9CE71EC0
    - Release Date : 08/16/2022
    - BIOS version : Xenomorph 1.35
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016 B0: 0A404002 B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.4a Patch K
    - AGESA Boot Loader : (DDR5) 28037010
    - PSP FW Version : 0.28.0.64
    - SMU FW Version : A0: 69.64.0 B0: 4.69.50.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.4.4 / Rembrandt X37 VBIOS

**New Fixes/Features:**

1. Update kernel code to 5.24\_1AXYD\_PI1.0.0.4A Patch K
2. Fix Corsair issue #143 DRAM module with ANPEC PMIC stops working after being inserted into a Xenomorph laptop.
3. Fix Corsair issue #144, R7 sku power on sometimes slow.

**Note:**

**The 1.17 EC should remove Q201 from PCBA for DC mode performance release.**

**The Memory training watchdog, BIOS need to depend with EC.**

**Please do not use old BIOS with EC version 1.12**

Please do not downgrade to 1.16 or previous version after updating BIOS1.17.

The system cannot power on due to the AMD PSB security.

**Corsair Xenomorph BIOS**

### Xenomorph 1.34 BIOS 2022/08/11

**About This Release:**

* + - BIOS File : Xenomorph134.ROM
    - Checksum : 0x9CEC6761
    - Release Date : 08/11/2022
    - BIOS version : Xenomorph 1.34
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016 B0: 0A404002 B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.4a Patch J
    - AGESA Boot Loader : (DDR5) 27287010
    - PSP FW Version : 0.28.0.64
    - SMU FW Version : A0: 69.64.0 B0: 4.69.50.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.4.4 / Rembrandt X37 VBIOS

**New Fixes/Features:**

1. Update EC to 1.19 version.
2. APU power change to 65W.

**Note:**

**The 1.17 EC should remove Q201 from PCBA for DC mode performance release.**

**The Memory training watchdog, BIOS need to depend with EC.**

**Please do not use old BIOS with EC version 1.12**

Please do not downgrade to 1.16 or previous version after updating BIOS1.17.

The system cannot power on due to the AMD PSB security.

**Corsair Xenomorph BIOS**

### Xenomorph 1.32 BIOS 2022/08/04

**About This Release:**

* + - BIOS File : Xenomorph132.ROM
    - Checksum : 0x9CEBE579
    - Release Date : 08/04/2022
    - BIOS version : Xenomorph 1.32
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016 B0: 0A404002 B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.4a Patch J
    - AGESA Boot Loader : (DDR5) 27287010
    - PSP FW Version : 0.28.0.64
    - SMU FW Version : A0: 69.64.0 B0: 4.69.50.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.4.4 / Rembrandt X37 VBIOS

**New Fixes/Features:**

1. Update kernel code to 5.24\_1AXYD\_PI1.0.0.4A Patch J
2. Update EC to 1.17 version.
3. Fix Corsair issue #33, When system in BIOS, Fan's sound is too loud
4. Fix Corsair issue #97, #104 DRAM Timings /Memory OC function
5. Adaptive hibernate (in DC mode MS, 5% battery consumption is converted to hibernation)
6. Improve first boot time.

**Note:**

**The 1.17 EC should remove Q201 from PCBA for DC mode performance release.**

**The Memory training watchdog, BIOS need to depend with EC.**

**Please do not use old BIOS with EC version 1.12**

Please do not downgrade to 1.16 or previous version after updating BIOS1.17.

The system cannot power on due to the AMD PSB security.

**Corsair Xenomorph BIOS**

### Xenomorph 1.30 BIOS 2022/08/02

**About This Release:**

* + - BIOS File : Xenomorph130.ROM
    - Checksum : 0x9CEE488F
    - Release Date : 08/02/2022
    - BIOS version : Xenomorph 1.30
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016   B0: 0A404002  B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.4 Patch B
    - AGESA Boot Loader : (DDR5)  25137011
    - PSP FW Version : 0.28.0.59
    - SMU FW Version : A0: 69.64.0       B0: 4.69.48.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.3.6 / Rembrandt X36 VBIOS

**New Fixes/Features:**

1. Update EC to 1.17 version.
2. Improve first boot time.

**Note:**

**The 1.17 EC should remove Q201 from PCBA for DC mode performance release.**

**The Memory training watchdog, BIOS need to depend with EC.**

**Please do not use old BIOS with EC version 1.12**

Please do not downgrade to 1.16 or previous version after updating BIOS1.17.

The system cannot power on due to the AMD PSB security.

**Corsair Xenomorph BIOS**

### Xenomorph 1.27 BIOS 2022/07/18

**About This Release:**

* + - BIOS File : Xenomorph127.ROM
    - Checksum : 0x9CEFE0D8
    - Release Date : 07/18/2022
    - BIOS version : Xenomorph 1.27
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016   B0: 0A404002  B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.4 Patch B
    - AGESA Boot Loader : (DDR5)  25137011
    - PSP FW Version : 0.28.0.59
    - SMU FW Version : A0: 69.64.0       B0: 4.69.48.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.3.6 / Rembrandt X36 VBIOS

**New Fixes/Features:**

1. Update EC to 1.12 version.
2. Gold BIOS >> Short term solution –For Samsung 8G memory training black screen, add watchdog
3. Gold BIOS >> Short term solution – Add Slipstream “External/Internal” option in BIOS setup.

**Note:**

**The Memory training watchdog, BIOS need to depend with EC.**

**Please do not use old BIOS with EC version 1.12**

Please do not downgrade to 1.16 or previous version after updating BIOS1.17.

The system cannot power on due to the AMD PSB security.

**Corsair Xenomorph BIOS**

### Xenomorph 1.26 BIOS 2022/07/06

**About This Release:**

* + - BIOS File : Xenomorph126.ROM
    - Checksum : 0x9CEE1ADF
    - Release Date : 07/06/2022
    - BIOS version : Xenomorph 1.26
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016   B0: 0A404002  B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.4 Patch B
    - AGESA Boot Loader : (DDR5)  25137011
    - PSP FW Version : 0.28.0.59
    - SMU FW Version : A0: 69.64.0       B0: 4.69.48.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.3.6 / Rembrandt X36 VBIOS

**New Fixes/Features:**

1. Update EC to 1.11 version.

**Note:**

Please do not downgrade to 1.16 or previous version after updating BIOS1.17.

The system cannot power on due to the AMD PSB security.

**Corsair Xenomorph BIOS**

### Xenomorph 1.25 BIOS 2022/06/27

**About This Release:**

* + - BIOS File : Xenomorph125.ROM
    - Checksum : 0x9CECE73F
    - Release Date : 06/27/2022
    - BIOS version : Xenomorph 1.25
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016   B0: 0A404002  B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.4 Patch B
    - AGESA Boot Loader : (DDR5)  25137011
    - PSP FW Version : 0.28.0.59
    - SMU FW Version : A0: 69.64.0       B0: 4.69.48.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.3.6 / Rembrandt X36 VBIOS

**New Fixes/Features:**

1. Update EC to 1.10 version.
2. fix Bug 30108 ,Disable Keyboard during S4&S5 Wake token

**Note:**

Please do not downgrade to 1.16 or previous version after updating BIOS1.17.

The system cannot power on due to the AMD PSB security.

**Corsair Xenomorph BIOS**

### Xenomorph 1.24 BIOS 2022/06/20

**About This Release:**

* + - BIOS File : Xenomorph124.ROM
    - Checksum : 0x9CEB77C5
    - Release Date : 06/20/2022
    - BIOS version : Xenomorph 1.24
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016   B0: 0A404002  B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.4 Patch B
    - AGESA Boot Loader : (DDR5)  25137011
    - PSP FW Version : 0.28.0.59
    - SMU FW Version : A0: 69.64.0       B0: 4.69.48.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.3.6 / Rembrandt X36 VBIOS

**New Fixes/Features:**

1. Gold BIOS >> Short term solution –just turning off the memory OC,Reserve PBO
2. Disable Decay mode base on SW stack 1.04A advisory
3. Update EC to 1.09 version.
4. Add "pause" command to flash package on AfuWin64 and AfuWin64Cap.

**Note:**

Please do not downgrade to 1.16 or previous version after updating BIOS1.17.

The system cannot power on due to the AMD PSB security.

**Corsair Xenomorph BIOS**

### Xenomorph 1.23 BIOS 2022/06/15

**About This Release:**

* + - BIOS File : Xenomorph123.ROM
    - Checksum : 0x9CEE94E9
    - Release Date : 06/15/2022
    - BIOS version : Xenomorph 1.23
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016   B0: 0A404002  B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.4 Patch B
    - AGESA Boot Loader : (DDR5)  25137011
    - PSP FW Version : 0.28.0.59
    - SMU FW Version : A0: 69.64.0       B0: 4.69.48.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.3.6 / Rembrandt X36 VBIOS

**New Fixes/Features:**

1. Gold BIOS >> Short term solution –Hidden AMD Overclocking Setup item.
2. Update EC to 1.08 version.

**Note:**

Please do not downgrade to 1.16 or previous version after updating BIOS1.17.

The system cannot power on due to the AMD PSB security.

**Corsair Xenomorph BIOS**

### Xenomorph 1.22 BIOS 2022/06/13

**About This Release:**

* + - BIOS File : Xenomorph122.ROM
    - Checksum : 0x9CEDCA18
    - Release Date : 06/13/2022
    - BIOS version : Xenomorph 1.22
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016   B0: 0A404002  B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.4 Patch B
    - AGESA Boot Loader : (DDR5)  25137011
    - PSP FW Version : 0.28.0.59
    - SMU FW Version : A0: 69.64.0       B0: 4.69.48.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.3.6 / Rembrandt X36 VBIOS

**New Fixes/Features:**

1. Update Verb Table to "HDACfg-0256-1CFA0004-300hz” fix Dolby pop noise.
2. Gold BIOS >> Short term solution –Remove 4800 Frequency.
3. Gold BIOS >> Short term solution –Hide EXPO items (OC on the fly).
4. BSOD 101 & 20001 - IOMMU Flush pending during S4 & MS.
5. Update SttTable 0609V3.
6. Fix Bug 29275 - "System - PNP Test " fail & Install Image fail due to BSOD
7. Update EC to 1.07 version.
8. Add A+A feature Smart MUX Patch.
9. Update User mode note string.
10. Hidden User mode option when using the 100W TypeC and DC mode.

**Note:**

Please do not downgrade to 1.16 or previous version after updating BIOS1.17.

The system cannot power on due to the AMD PSB security.

**Corsair Xenomorph BIOS**

### Xenomorph 1.21 BIOS 2022/05/31

**About This Release:**

* + - BIOS File : Xenomorph121.ROM
    - Checksum : 0x9CFB9232
    - Release Date : 05/31/2022
    - BIOS version : Xenomorph 1.21
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016   B0: 0A404002  B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.4 Patch A
    - AGESA Boot Loader : (DDR5)  24087010
    - PSP FW Version : 0.28.0.59
    - SMU FW Version : A0: 69.64.0       B0: 4.69.47.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.3.6 / Rembrandt X36 VBIOS

**New Fixes/Features:**

1. Fix Bug 29791 , Bug 29792 - WHLK Audio Test" fail
2. Fix Bug 26901 , Bug 26908 - WHLK Modern Standby Test" fail
3. CPU rename to R9-6900HS , R7-6800HS by Corsair requirement.
4. Update EC to 1.03 version.
5. Fixed the incorrect value of platform Sppt when switching user mode for the first time.
6. Fix OS hotfix 708 can’t enter to MS.
7. Fix ESA Monitor page item .

**Note:**

Please do not downgrade to 1.16 or previous version after updating BIOS1.17.

The system cannot power on due to the AMD PSB security.

**Corsair Xenomorph BIOS**

### Xenomorph 1.20 BIOS 2022/05/24

**About This Release:**

* + - BIOS File : Xenomorph120.ROM
    - Checksum : 0x9CFBD4AD
    - Release Date : 05/24/2022
    - BIOS version : Xenomorph 1.20
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016   B0: 0A404002  B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.4 Patch A
    - AGESA Boot Loader : (DDR5)  24087010
    - PSP FW Version : 0.28.0.59
    - SMU FW Version : A0: 69.64.0       B0: 4.69.47.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.3.6 / Rembrandt X36 VBIOS

**New Fixes/Features:**

1. Follow PRD2.1 :Removed Battery Mode from User mode.
2. Update Power Table base 0518 version.
3. Update USB Port \_UPC, \_PLD for WHQL test.
4. Update USB\_SKIP\_TABLE.
5. Turn off the F2,F3 ,F4 shortcut function on the ESA welcome screen
6. Update String about Memory OC on BIOS setup .

**Note:**

Please do not downgrade to 1.16 or previous version after updating BIOS1.17.

The system cannot power on due to the AMD PSB security.

**Corsair Xenomorph BIOS**

### Xenomorph 1.19 BIOS 2022/05/17

**About This Release:**

* + - BIOS File : Xenomorph119.ROM
    - Checksum : 0x9CFA423E
    - Release Date : 05/17/2022
    - BIOS version : Xenomorph 1.19
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016   B0: 0A404002  B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.4 Patch A
    - AGESA Boot Loader : (DDR5)  24087010
    - PSP FW Version : 0.28.0.59
    - SMU FW Version : A0: 69.64.0       B0: 4.69.47.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.3.6 / Rembrandt X36 VBIOS

**New Fixes/Features:**

1. Fix SD7.0 Express card can’t be detect.
2. BIOS setup removes redundant items (AMD Overclocking ) on NVMe RAID page.

**Note:**

Please do not downgrade to 1.16 or previous version after updating BIOS1.17.

The system cannot power on due to the AMD PSB security.

**Corsair Xenomorph BIOS**

### Xenomorph 1.18 BIOS 2022/05/10

**About This Release:**

* + - BIOS File : Xenomorph118.ROM
    - Checksum : 0x9CF9FD5A
    - Release Date : 05/10/2022
    - BIOS version : Xenomorph 1.18
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016   B0: 0A404002  B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.4 Patch A
    - AGESA Boot Loader : (DDR5)  24087010
    - PSP FW Version : 0.28.0.59
    - SMU FW Version : A0: 69.64.0       B0: 4.69.47.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.3.6 / Rembrandt X36 VBIOS

**New Fixes/Features:**

1. Update kernel code to 5.24\_1AXYD\_PI1.0.0.4 Patch A
2. Change Secure boot default setting enable .

**Note:**

Please do not downgrade to 1.16 or previous version after updating BIOS1.17.

The system cannot power on due to the AMD PSB security.

**Corsair Xenomorph BIOS**

### Xenomorph 1.17 BIOS 2022/05/03

**About This Release:**

* + - BIOS File : Xenomorph117.ROM
    - Checksum : 0x9D0EF97E
    - Release Date : 05/03/2022
    - BIOS version : Xenomorph 1.17
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016   B0: 0A404002  B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.3
    - AGESA Boot Loader : (DDR5)  23257010
    - PSP FW Version : 0.28.0.58
    - SMU FW Version : A0: 69.64.0       B0: 4.69.43.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.3.5 / Rembrandt X36 VBIOS

**New Fixes/Features:**

1. Enable **AMD PSB** Function for WHLK HSTI.
2. Update String on SMBIOS Type 2.
3. Update String about DRAM Timings on BIOS setup.
4. Update STT table for User mode.

**Note:**

Please do not downgrade BIOS version after updating BIOS1.17.

The system cannot power on due to the AMD PSB security.

**Corsair Xenomorph BIOS**

### Xenomorph 1.16 BIOS 2022/04/26

**About This Release:**

* + - BIOS File : Xenomorph116.ROM
    - Checksum : 0x9D0DF4D6
    - Release Date : 04/26/2022
    - BIOS version : Xenomorph 1.16
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016   B0: 0A404002  B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.3
    - AGESA Boot Loader : (DDR5)  23257010
    - PSP FW Version : 0.28.0.58
    - SMU FW Version : A0: 69.64.0       B0: 4.69.43.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.3.5 / Rembrandt X36 VBIOS

**New Fixes/Features:**

1. Update kernel code to 5.24\_1AXYD\_PI1.0.0.3
2. Dmiedit Tool can be able to modify every time.
3. Increase BIOS shortcut key font size.
4. Update User mode Key-in Range
5. Update String locate with BIOS capsule update process.

**Corsair Xenomorph BIOS**

### Xenomorph 1.15 BIOS 2022/04/19

**About This Release:**

* + - BIOS File : Xenomorph115.ROM
    - Checksum : 0x9D0DCA9F
    - Release Date : 04/19/2022
    - BIOS version : Xenomorph 1.15
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016   B0: 0A404002  B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.2a Patch G
    - AGESA Boot Loader : (DDR5)  23257010
    - PSP FW Version : 0.28.0.58
    - SMU FW Version : A0: 69.64.0       B0: 4.69.42.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.3.3 / Rembrandt X35 VBIOS

**New Fixes/Features:**

1. Touchpad can’t workable on BIOS setup.
2. Update EC to 1.01 version.
3. Modify Save &restart string on BIOS setup.

**Corsair Xenomorph BIOS**

### Xenomorph 1.14 BIOS 2022/04/12

**About This Release:**

* + - BIOS File : Xenomorph114.ROM
    - Checksum : 0xAA5DF936
    - Release Date : 04/12/2022
    - BIOS version : Xenomorph 1.14
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016   B0: 0A404002  B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.2a Patch G
    - AGESA Boot Loader : (DDR5)  23257010
    - PSP FW Version : 0.28.0.58
    - SMU FW Version : A0: 69.64.0       B0: 4.69.42.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.3.3 / Rembrandt X35 VBIOS

**New Fixes/Features:**

1. Update kernel code to 5.24\_1AXYD\_PI1.0.0.2a Patch G.
2. Hidden AMD Overclocking Setup item on R7 APU.

**Corsair Xenomorph BIOS**

### Xenomorph 1.13 BIOS 2022/04/06

**About This Release:**

* + - BIOS File : Xenomorph113.ROM
    - Checksum : 0x9D337CCB
    - Release Date : 04/06/2022
    - BIOS version : Xenomorph 1.13
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016   B0: 0A404002  B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.2a Patch E
    - AGESA Boot Loader : (DDR5)  23257010
    - PSP FW Version : 0.28.0.56
    - SMU FW Version : A0: 69.64.0       B0: 4.69.42.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.3.3 / Rembrandt X35 VBIOS

**New Fixes/Features:**

1. Update kernel code to 5.24\_1AXYD\_PI1.0.0.2a Patch E.
2. Enable STT and Add STT table.
3. Hidden APU VDDIO Value item on BIOS setup
4. Install factory default Secure Boot variables
5. Improve POST Time (Skip PS2 device and USB device Camera/BT/SlipStream/FingerPrint during BDS phase and PSP entry 0xB[28] soft fuse to enable MP0 DPM.)
6. Fixed TPM WHLK fail item (TPM can’t reset and add EIP599635 Workaround)
7. Fixed Card Reader/WLAN Device state to D3Hot

**Known issue:**

1. The Memory OC item is displayed on APU R7. (AMD will fix in AGESA PI1003)

**Corsair Xenomorph BIOS**

### Xenomorph 1.12 BIOS 2022/03/29

**About This Release:**

* + - BIOS File : Xenomorph112.ROM
    - Checksum : 0x9CFA079C
    - Release Date : 03/29/2022
    - BIOS version : Xenomorph 1.12
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016   B0: 0A404002  B1: 0A404102
    - AGESA PI Version : RembrandtPI PI1.0.0.2a
    - AGESA Boot Loader : (DDR5)  22257010
    - PSP FW Version : 0.28.0.53
    - SMU FW Version : A0: 69.64.0       B0: 4.69.36.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1C
    - GOP Version : Rembrandt GOP driver signed v3.3.3 / Rembrandt X35 VBIOS

**New Fixes/Features:**

1. Update kernel code to 5.24\_1AXYD\_PI1.0.0.2\_010.
2. Modify String on BIOS setup .
3. Modify FBO Device priority (NVME first)
4. Update ACPI OemTableId to "VOYAGER"

**Known issue:**

1. The Memory OC item is displayed on APU R7. (AMD will fix in AGESA PI1003)

**Corsair Xenomorph BIOS**

### Xenomorph 1.11 BIOS 2022/03/15

**About This Release:**

* + - BIOS File : Xenomorph111.ROM
    - Checksum : 0x9D1A991E
    - Release Date : 03/15/2022
    - BIOS version : Xenomorph 1.11
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016 B0: 0A404002 B1: 0A404102
    - AGESA PI Version : RembrandtPI PI 1.0.0.2
    - AGESA Boot Loader : (DDR5)  22177011
    - PSP FW Version : 0.28.00.52
    - SMU FW Version : A0: 69.64.0 B0: 4.69.34.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.00.1C
    - GOP Version : Rembrandt GOP driver signed v3.3.3 / Rembrandt X35 VBIOS

**New Fixes/Features:**

1. [CORSAIR][BUG][ESA] Incorrect fan speed on monitor page.
2. [CORSAIR][Bug 27890] After installing BIOS V 1.10 stramdeck < ~ S10 has no function
3. [CORSAIR][Bug 27891] After installing BIOS V 1.10, the LOCK in the upper left corner of the touchpad has no function.

**Known issue:**

1. The Memory OC item is displayed on APU R7. (AMD will fix in AGESA PI1003)

**Corsair Xenomorph BIOS**

### Xenomorph 1.10 BIOS 2022/03/08

**About This Release:**

* + - BIOS File : Xenomorph110.ROM
    - Checksum : 0x9D1D6ECF
    - Release Date : 03/08/2022
    - BIOS version : Xenomorph 1.10
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016 B0: 0A404002 B1: 0A404102
    - AGESA PI Version : RembrandtPI PI 1.0.0.2
    - AGESA Boot Loader : (DDR5)  22177011
    - PSP FW Version : 0.28.00.52
    - SMU FW Version : A0: 69.64.0 B0: 4.69.34.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.00.1C
    - GOP Version : Rembrandt GOP driver signed v3.3.3 / Rembrandt X35 VBIOS

**New Fixes/Features:**

1. Update kernel code to 5.24\_1AXYD\_PI1.0.0.2\_010.
2. Update OA3 OEMID and OEMTABLEID string value to “CRSRCO”, ”VOYAGER”.
3. Update DMI info System Product Name, Version and Family string value to “CORSAIR VOYAGER a1600”, “1.0” and “CORSAIR VOYAGER”.
4. Add Boot Option Priorities to Boot page.
5. Sync power limit value with SDK.
6. Change POST shortcut key position and string.
7. Add SKU Number and UUID to Main page.
8. Add Real Time clock alarm function to Advance page.
9. Add Memory OC setup item.
10. Set the slew rate to 2.5mV/us. (follow AMD FP7/FP7R2 slew rate change advisory
11. Update clock image of- ESA Monitor Page.
12. Include EC bin file “GC6RR7U\_01.600” for EcFwUpdater.
13. [CORSAIR][Bug] BIOS Windows Firmware Updated failed.

**Known issue:**

1. The Memory OC item is displayed on APU R7. (AMD will fix in AGESA PI1003)

**Corsair Xenomorph BIOS**

### Xenomorph 1.09 BIOS 2022/02/15

**About This Release:**

* + - BIOS File : Xenomorph109.ROM
    - Checksum : 0x9D3CEB9D
    - Release Date : 02/15/2022
    - BIOS version : Xenomorph 1.09
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016 B0: 0A404002 B1: 0A404101
    - AGESA PI Version : RembrandtPI PI 1.0.0.1A
    - AGESA Boot Loader : (DDR5)  21287010
    - PSP FW Version : 0.28.3.4A
    - SMU FW Version : A0: 69.64.0 B0: 4.69.31.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.00.1C
    - GOP Version : Rembrandt GOP driver signed v3.3.1 / Rembrandt X35 VBIOS

**New Fixes/Features:**

1. Update kernel code to 5.24\_1AXYD\_PI1.0.0.1a\_009.
2. Add to show the hotkey strings during POST.
3. Remove the QR code from ESA.
4. Remove multiple language selection from ESA.
5. [CORSAIR][Bug] dGPU can’t enter to BACO.
6. [CORSAIR][Bug][27245] Blackscreen occur when run coldboot/warmboot

**Corsair Xenomorph BIOS**

### Xenomorph 1.08 BIOS 2022/02/08

**About This Release:**

* + - BIOS File : Xenomorph108.ROM
    - Checksum : 0x9DDC89F4
    - Release Date : 02/08/2022
    - BIOS version : Xenomorph 1.08
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016 B0: 0A404002 B1: 0A404101
    - AGESA PI Version : RembrandtPI PI 1.0.0.0
    - AGESA Boot Loader : (DDR5)  1C247010
    - PSP FW Version : 0.28.3.4A
    - SMU FW Version : A0: 69.62.0 B0: 4.69.26.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.00.1B
    - GOP Version : Rembrandt GOP driver signed v3.3.0 / Rembrandt 035 VBIOS

**New Fixes/Features:**

1. Limit APU audio end point to “2”.
2. Modify Security Setup Page for system WHQL test item.
3. Disable WLAN wake up system in S4/S5 state.
4. ACPI R/W EC ram through H2RAM.
5. Sync performance mode status through EC RAM.
6. Only the internal display panel is displayed during POST.

**Corsair Xenomorph BIOS**

### Xenomorph 1.07 BIOS 2022/01/18

**About This Release:**

* + - BIOS File : Xenomorph107.ROM
    - Checksum : 0x9DD22A30
    - Release Date : 01/18/2022
    - BIOS version : Xenomorph 1.07
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016 B0: 0A404002 B1: 0A404101
    - AGESA PI Version : RembrandtPI PI 1.0.0.0
    - AGESA Boot Loader : (DDR5)  1C247010
    - PSP FW Version : 0.28.3.4A
    - SMU FW Version : A0: 69.62.0 B0: 4.69.26.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.00.1B
    - GOP Version : Rembrandt GOP driver signed v3.3.0 / Rembrandt 035 VBIOS

**New Fixes/Features:**

1. Update kernel code to 5.24\_1AXYD\_PI1.0.0.0\_007
2. Update ESA front page layout.
3. Include EC bin file "GC6RR7U\_01.400" for EcFwUpdater.
4. Update performance mode strings.
5. [CORSAIR][Bug][26456] Press FN +F1/F2 is no function in DGPU mode.
6. [CORSAIR][Bug][26792] EC version shows 255.255 in system information under OS.

**Corsair Xenomorph BIOS**

### Xenomorph 1.06 BIOS 2022/01/04

**About This Release:**

* + - BIOS File : Xenomorph106.ROM
    - Checksum : 0x9DD5B725
    - Release Date : 01/04/2022
    - BIOS version : Xenomorph 1.06
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016 B0: 0A404002
    - AGESA PI Version : RembrandtPI PI 0.0.9.0
    - AGESA Boot Loader : (DDR5)  1C017012
    - PSP FW Version : 0.28.0.49
    - SMU FW Version : A0: 69.59.0 B0: 4.69.23.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1A
    - GOP Version : Rembrandt GOP driver signed v3.2.10 / Rembrandt 035 VBIOS

**New Fixes/Features:**

1. Update ESA layout.
2. Include EC bin file "GC6RR7U\_01.300" for EcFwUpdater.
3. [CORSAIR][Bug][25987] Type-C connector on the left w/ DP link to 5k monitor through Type-C to DP. There will be flickering and popping sounds on the 5K monitor.

**Corsair Xenomorph BIOS**

### Xenomorph 1.05 BIOS 2021/12/28

**About This Release:**

* + - BIOS File : Xenomorph105.ROM
    - Checksum : 0x9DD8E123
    - Release Date : 12/28/2021
    - BIOS version : Xenomorph 1.05
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016 B0: 0A404002
    - AGESA PI Version : RembrandtPI PI 0.0.9.0
    - AGESA Boot Loader : (DDR5)  1C017012
    - PSP FW Version : 0.28.0.49
    - SMU FW Version : A0: 69.59.0 B0: 4.69.23.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1A
    - GOP Version : Rembrandt GOP driver signed v3.2.10 / Rembrandt 035 VBIOS

**New Fixes/Features:**

1. Update POST Logo.
2. Enable UCSI.
3. Add AMD PBO advanced curve optimizer feature.
4. Remove Slipstream item from BIOS setup menu.
5. Enable ACPI Device for Corsair SDK.
6. Update BIOS Setup Menu item and ESA.
7. [CORSAIR][Bug] Type C on the right has no USB3.0 function.

**Corsair Xenomorph BIOS**

### Xenomorph 1.04 BIOS 2021/12/21

**About This Release:**

* + - BIOS File : Xenomorph104.ROM
    - Checksum : 0xABBBBE16
    - Release Date : 12/21/2021
    - BIOS version : Xenomorph 1.04
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016 B0: 0A404002
    - AGESA PI Version : RembrandtPI PI 0.0.9.0
    - AGESA Boot Loader : (DDR5)  1C017012
    - PSP FW Version : 0.28.0.49
    - SMU FW Version : A0: 69.59.0 B0: 4.69.23.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.1A
    - GOP Version : Rembrandt GOP driver signed v3.2.10 / Rembrandt 035 VBIOS

**New Fixes/Features:**

1. Update kernel code to “5.24\_1AXYD\_PI0.0.9.0\_006”.
2. Enable IOMMU, DMar and DMA Protection for Microsoft Security Level 2.
3. Switch TPM from fTPM to dTPM.
4. Include EC bin file "GC6RR7U\_01.200" for EcFwUpdater.
5. Enable Modern Standby Wake Source SD card, Headphone and Wireless UWP App / Remote Desktop.
6. Update Verb Table "HDACfg-0256-1CFA0004-300hz hpf -dmic combo Jack 20211001".
7. [CORSAIR][Bug][25599] Adjust the panel brightness is not smooth.
8. [CORSAIR][Bug][25380] Microsoft Camera APP image lag and frame drops.
9. [CORSAIR][Bug][23321] Spend too long time to power on system.

**Note:** About “Spend too long time to power on system”. If use Micron Memory need date code #2130 or later for this issue.

**Corsair Xenomorph BIOS**

### Xenomorph 1.03 BIOS 2021/12/07

**About This Release:**

* + - BIOS File : Xenomorph103.ROM
    - Checksum : 0xA92F3EB5
    - Release Date : 12/07/2021
    - BIOS version : Xenomorph 1.03
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016 B0: 0A404002
    - AGESA PI Version : RembrandtPI PI 0.0.8.1
    - AGESA Boot Loader : (DDR5)  1A287010
    - PSP FW Version : 0.28.1.42
    - SMU FW Version : A0: 69.53.0 B0: 4.69.17.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.16
    - GOP Version : Rembrandt GOP driver signed v3.2.8

**New Fixes/Features:**

1. [CORSAIR][Bug][23918] Resume from Modern Standby system will show BSOD.
2. [CORSAIR][Bug] Type-C port does not have USB 3 function.
3. Modify Critical Temperature (\_CRT) to 105 degrees.
4. Add BIOS shortcut key “F8: Enter Windows Recovery”.
5. Configure USB “USB Port Capabilities” (\_UPC) and “Physical Location of Device” (\_PLD).
6. Hidden setup item “Asset Tag”, “SKU Number” and “UUID Number”.

**Corsair Xenomorph BIOS**

### Xenomorph 1.02 BIOS 2021/11/30

**About This Release:**

* + - BIOS File : Xenomorph102.ROM
    - Checksum : 0xA9313622
    - Release Date : 11/30/2021
    - BIOS version : Xenomorph 1.02
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016 B0: 0A404002
    - AGESA PI Version : RembrandtPI PI 0.0.8.1
    - AGESA Boot Loader : (DDR5)  1A287010
    - PSP FW Version : 0.28.1.42
    - SMU FW Version : A0: 69.53.0 B0: 4.69.17.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.16
    - GOP Version : Rembrandt GOP driver signed v3.2.8

**New Fixes/Features:**

1. Update kernel code to 5.24\_1AXYD\_PI0.0.8.1\_005
2. Update BIOS Setup Menu item
3. [CORSAIR][Bug][23918] Resume from modern standby TP function will incorrect.
4. [CORSAIR][Bug][23903]Wake up from Modern standby, the screen will not light up.

**Corsair Xenomorph BIOS**

### Xenomorph 1.01 BIOS 2021/11/09

**About This Release:**

* + - BIOS File : Xenomorph101.ROM
    - Checksum : 0xA4015AB4
    - Release Date : 11/09/2021
    - BIOS version : Xenomorph 1.01
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016 B0: 0A404002
    - AGESA PI Version : RembrandtPI PI 0.0.8.0
    - AGESA Boot Loader : (DDR5)  WABLRM19067011
    - PSP FW Version : 00.28.00.3F
    - SMU FW Version : A0: 69.44.0 B0: 4.69.8.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.16
    - GOP Version : Rembrandt GOP driver signed v3.2.7

**New Fixes/Features:**

1. [CORSAIR][Bug][23320] System enter S0i3 will hang up
2. Modify the GPIO configuration for DVT MB.

**Note:** This version of BIOS can only flash to DVT1 MB

**Corsair Xenomorph BIOS**

### Xenomorph 0.06 BIOS 2021/11/02

**About This Release:**

* + - BIOS File : Xenomorph006.ROM
    - Checksum : 0xA4017F25
    - Release Date : 11/02/2021
    - BIOS version : Xenomorph 0.06
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016 B0: 0A404002
    - AGESA PI Version : RembrandtPI PI 0.0.8.0
    - AGESA Boot Loader : (DDR5)  WABLRM19067011
    - PSP FW Version : 00.28.00.3F
    - SMU FW Version : A0: 69.44.0 B0: 4.69.8.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.16
    - GOP Version : Rembrandt GOP driver signed v3.2.7

**New Fixes/Features:**

1. [CORSAIR][Bug][23335] Left-upper corner disable touchpad no function.

2. Enable AMD SmartShift.

3. Adjust dGPU power off sequence.

**Note:**

**Corsair Xenomorph BIOS**

### Xenomorph 0.05 BIOS 2021/10/19

**About This Release:**

* + - BIOS File : Xenomorph004.ROM
    - Checksum : 0xA3FFE565
    - Release Date : 10/19/2021
    - BIOS version : Xenomorph 0.05
    - ROM Size : 32M
    - Microcode Version : A0: 0A400016 B0: 0A404002
    - AGESA PI Version : RembrandtPI PI 0.0.8.0
    - AGESA Boot Loader : (DDR5)  WABLRM19067011
    - PSP FW Version : 00.28.00.3F
    - SMU FW Version : A0: 69.44.0 B0: 4.69.8.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.16
    - GOP Version : Rembrandt GOP driver signed v3.2.7

**New Fixes/Features:**

1. Update kernel code to “5.24\_1AXYD\_PI0.0.8.0\_004”.

2. [CORSAIR][Bug][23336] Webcam monitor default setting is not mirrored.

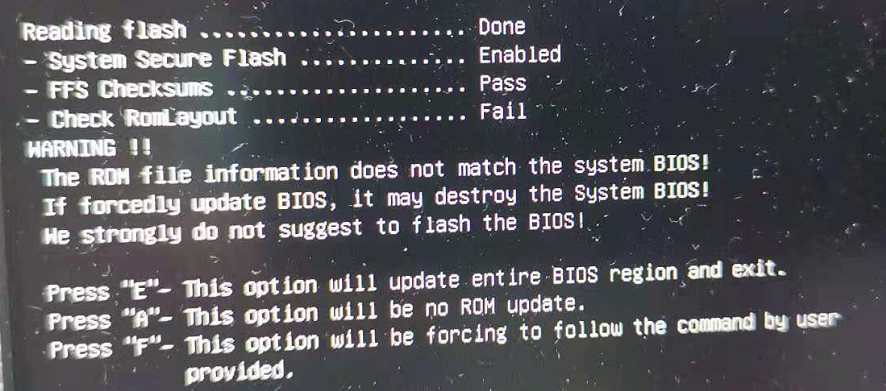
3. [CORSAIR][Bug][23325] Right facing Type-C performance not meet criteria and the USB viewer only USB 2.0

4. Enable Smart Access Memory.

5. Enable right facing Type-C DP hot plug detection.

**Note:**

This version of BIOS has changed Rom layout. If you encounter the warning message in the figure below when flashing the BIOS. Please press “F” to flash BIOS.



**Corsair Xenomorph BIOS**

### Xenomorph 0.04 BIOS 2021/10/05

**About This Release:**

* + - BIOS File : Xenomorph004.ROM
    - Checksum : 0xB5696245
    - Release Date : 10/05/2021
    - BIOS version : Xenomorph 0.04
    - ROM Size : 32M
    - Microcode Version : 0A400016
    - AGESA PI Version : RembrandtPI PI 0.0.7.2
    - AGESA Boot Loader : (DDR5)  WABLRM17097010
    - PSP FW Version : 00.28.00.36
    - SMU FW Version : 69.40.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.15
    - GOP Version : Rembrandt GOP driver signed v3.2.3

**New Fixes/Features:**

1. Include RtkUsbUndiDxe.efi for Lan dongle PXE boot.

2. Add /k command to flash PSP firmware in F.nsh/F.bat

3. Enable dGPU D3Cold.

4. Update BIOS Setup Menu. ((Bios setup item is under programming now))

5. Fix "Unable to install Ubuntu after enabling dTPM"

6. Modify Audio IOs to "HDA(3SDI) + PDM(6CH) +I2S" (Follow AMD BAE suggestion)

**Note:**

Require MB to rework the GPU circuit

**Corsair Xenomorph BIOS**

### Xenomorph 0.03 BIOS 2021/09/24

**About This Release:**

* + - BIOS File : Xenomorph003.ROM
    - Checksum : 0xB5ACA96E
    - Release Date : 09/24/2021
    - BIOS version : Xenomorph 0.03
    - ROM Size : 32M
    - Microcode Version : 0A400016
    - AGESA PI Version : RembrandtPI PI 0.0.7.2
    - AGESA Boot Loader : (DDR5)  WABLRM17097010
    - PSP FW Version : 00.28.00.36
    - SMU FW Version : 69.40.0
    - Video BIOS Version : VBIOS Boot Loader: 20.11.0.15
    - GOP Version : Rembrandt GOP driver signed v3.2.3

**New Fixes/Features:**

1. Fix the issue that iGPU SSID and Audio SSID cannot be changed.

2. Enable IO decode.

3. Enable dTPM.

4. Update BIOS Setup Menu. ((Bios setup item is under programming now))

5. Fix the issue that loading dGPU GOP will hang code.

6. Update SMBIOS to Corsair Xenomorph project.

7. Adjust dGPU power on sequence.

8. Add GEVENT to DisplayConnectEvent for Discrete GPU display connect/disconnect.

9. Enable HybridGraphics..

**Note:**

Require MB to rework the GPU circuit