**Raptor Lake-HX Medion BIOS**

**Products**: GMxPX7x, GMxPX0x, GMxPX5x -> 10L

### BIOS Version: N.1.09MED06 Build Date and Time: 09/26/2023 10:59:58

**About This Release:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Bios File** | GMxPX7xN109MED06.BIN | **Micro Code Update Included in ROM & BIO Files** | 0x112 |
| **ROM Image Checksum** | 0xA1280BFA | **Processor** | Intel Raptor Lake HX |
| **ROM Size** | 32M | **CPU ID** | 0xB06F2 |
| **Source Control Label** | (BETA)5.27\_1AYRT\_RC0C.00.8B.10(3361.14)\_030 | **TCSS Firmware** | N/A |
| **ME Firmware** | 16.1.25.1991 | **PD Firmware** | N/A |
| **EC Firmware** | 1.16.00 | **IOM Firmware** | N/A |
| **PMC Firmware** | 160.02.00.1039 | **PHY Firmware** | 13.57.211.7252  13.0.1.7081 |
| **Boot Guard ACM** | N/A | **SMU Firmware** | N/A |
| **Memory Reference Code** | DDR5  0.0.4.110 | **VBT Firmware** | N/A |
| **Integrated Graphics** | 17.0.1079 | **Intel RST Firmware** | 19.5.0.5676 |
| **dGPU** | X2 / X4 / X6 support | **Audio IC** | ALC256, ALC274,  CX11880 |

**New Fixes/Features:**

1. Sync std source code ： support 5600 memory.
2. Update ec to 1.16
3. Optimize power USB function during S5

### BIOS Version: N.1.09MED05 Build Date and Time: 08/31/2023 17:29:10

**About This Release:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Bios File** | GMxPX7xN109MED05.BIN | **Micro Code Update Included in ROM & BIO Files** | 0x112 |
| **ROM Image Checksum** | 0xA12BCDB7 | **Processor** | Intel Raptor Lake HX |
| **ROM Size** | 32M | **CPU ID** | 0xB06F2 |
| **Source Control Label** | (BETA)5.27\_1AYRT\_RC0C.00.8B.10(3361.14)\_030 | **TCSS Firmware** | N/A |
| **ME Firmware** | 16.1.25.1991 | **PD Firmware** | N/A |
| **EC Firmware** | 1.14.00 | **IOM Firmware** | N/A |
| **PMC Firmware** | 160.02.00.1039 | **PHY Firmware** | 13.57.211.7252  13.0.1.7081 |
| **Boot Guard ACM** | N/A | **SMU Firmware** | N/A |
| **Memory Reference Code** | DDR5  0.0.4.110 | **VBT Firmware** | N/A |
| **Integrated Graphics** | 17.0.1079 | **Intel RST Firmware** | 19.5.0.5676 |
| **dGPU** | X2 / X4 / X6 support | **Audio IC** | ALC256, ALC274,  CX11880 |

**New Fixes/Features:**

1. Sync std source code form 1.08 to 1.09
2. Update ec to 1.14

### BIOS Version: N.1.08MED04 Build Date and Time: 04/10/2023 09:39:57

**About This Release:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Bios File** | GMxPX7xN108MED04.BIN | **Micro Code Update Included in ROM & BIO Files** | 0x112 |
| **ROM Image Checksum** | 0xA49A42FB | **Processor** | Intel Raptor Lake HX |
| **ROM Size** | 32M | **CPU ID** | 0xB06F2 |
| **Source Control Label** | (BETA)5.27\_1AYRT\_RC0C.00.8B.10(3361.14)\_030 | **TCSS Firmware** | N/A |
| **ME Firmware** | 16.1.25.1991 | **PD Firmware** | N/A |
| **EC Firmware** | 1.05.00 | **IOM Firmware** | N/A |
| **PMC Firmware** | 160.02.00.1039 | **PHY Firmware** | 13.57.211.7252  13.0.1.7081 |
| **Boot Guard ACM** | N/A | **SMU Firmware** | N/A |
| **Memory Reference Code** | DDR5  0.0.4.110 | **VBT Firmware** | N/A |
| **Integrated Graphics** | 17.0.1079 | **Intel RST Firmware** | 19.5.0.5676 |
| **dGPU** | X2 / X4 / X6 support | **Audio IC** | ALC256, ALC274,  CX11880 |

**New Fixes/Features:**

1. set secure boot mode default standard

2. update ec to 1.07

**Raptor Lake-HX Medion BIOS**

**Products**: GMxPX7x, GMxPX0x, GMxPX5x -> 10L

### BIOS Version: N.1.08MED03 Build Date and Time: 03/28/2023

**About This Release:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Bios File** | GMxPX7xN108MED03.BIN | **Micro Code Update Included in ROM & BIO Files** | 0x112 |
| **ROM Image Checksum** | 0xA4A22349 | **Processor** | Intel Raptor Lake HX |
| **ROM Size** | 32M | **CPU ID** | 0xB06F2 |
| **Source Control Label** | (BETA)5.27\_1AYRT\_RC0C.00.8B.10(3361.14)\_030 | **TCSS Firmware** | N/A |
| **ME Firmware** | 16.1.25.1991 | **PD Firmware** | N/A |
| **EC Firmware** | 1.05.00 | **IOM Firmware** | N/A |
| **PMC Firmware** | 160.02.00.1039 | **PHY Firmware** | 13.57.211.7252  13.0.1.7081 |
| **Boot Guard ACM** | N/A | **SMU Firmware** | N/A |
| **Memory Reference Code** | DDR5  0.0.4.110 | **VBT Firmware** | N/A |
| **Integrated Graphics** | 17.0.1079 | **Intel RST Firmware** | 19.5.0.5676 |
| **dGPU** | X2 / X4 / X6 support | **Audio IC** | ALC256, ALC274,  CX11880 |

**New Fixes/Features:**

1. sync std source code to 1.08

2. update ec to 1.05

**Raptor Lake-HX Medion BIOS**

**Products**: GMxPX7x, GMxPX0x, GMxPX5x -> 10L

### BIOS Version: N.1.07MED02 Build Date and Time: 02/20/2023 09:57:34

**About This Release:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Bios File** | GMxPX7xN107MED02.BIN | **Micro Code Update Included in ROM & BIO Files** | 0x112 |
| **ROM Image Checksum** | 0xB70F9810 | **Processor** | Intel Raptor Lake HX |
| **ROM Size** | 32M | **CPU ID** | 0xB06F2 |
| **Source Control Label** | (BETA)5.27\_1AYRT\_RC0C.00.8B.10(3361.14)\_030 | **TCSS Firmware** | N/A |
| **ME Firmware** | 16.1.25.1991 | **PD Firmware** | N/A |
| **EC Firmware** | 0.30.00 | **IOM Firmware** | N/A |
| **PMC Firmware** | 160.02.00.1039 | **PHY Firmware** | 13.57.211.7252  13.0.1.7081 |
| **Boot Guard ACM** | N/A | **SMU Firmware** | N/A |
| **Memory Reference Code** | DDR5  0.0.4.110 | **VBT Firmware** | N/A |
| **Integrated Graphics** | 17.0.1079 | **Intel RST Firmware** | 19.5.0.5676 |
| **dGPU** | X2 / X4 / X6 support | **Audio IC** | ALC256, ALC274,  CX11880 |

**New Fixes/Features:**

* 1. Sync std source code form N1.06 to N1.07.
* 2. MED\_008: Press F10 To Enter Boot Option Menu

**Raptor Lake-HX Medion BIOS**

**Products**: GMxPX7x, GMxPX0x, GMxPX5x -> 10L

### BIOS Version: N.1.07MED01 Build Date and Time: 02/17/2023 18:09:10

**About This Release:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Bios File** | GMxPX7xN107MED01.BIN | **Micro Code Update Included in ROM & BIO Files** | 0x112 |
| **ROM Image Checksum** | 0xB710BEB6 | **Processor** | Intel Raptor Lake HX |
| **ROM Size** | 32M | **CPU ID** | 0xB06F2 |
| **Source Control Label** | (BETA)5.27\_1AYRT\_RC0C.00.8B.10(3361.14)\_030 | **TCSS Firmware** | N/A |
| **ME Firmware** | 16.1.25.1991 | **PD Firmware** | N/A |
| **EC Firmware** | 0.30.00 | **IOM Firmware** | N/A |
| **PMC Firmware** | 160.02.00.1039 | **PHY Firmware** | 13.57.211.7252  13.0.1.7081 |
| **Boot Guard ACM** | N/A | **SMU Firmware** | N/A |
| **Memory Reference Code** | DDR5  0.0.4.110 | **VBT Firmware** | N/A |
| **Integrated Graphics** | 17.0.1079 | **Intel RST Firmware** | 19.5.0.5676 |
| **dGPU** | X2 / X4 / X6 support | **Audio IC** | ALC256, ALC274,  CX11880 |

**New Fixes/Features:**

* 1. Update EC file to 0.30.00.
* 2. Sync std source code form N1.06 to N1.07.

**Raptor Lake-HX Medion BIOS**

**Products**: GMxPX7x, GMxPX0x, GMxPX5x -> 10L

### BIOS Version: N.1.06MED00 Build Date and Time: 02/09/2023 10:05:23

**About This Release:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Bios File** | GMxPX7xN106MED00.BIN | **Micro Code Update Included in ROM & BIO Files** | 0x112 |
| **ROM Image Checksum** | 0xB717D8EC | **Processor** | Intel Raptor Lake HX |
| **ROM Size** | 32M | **CPU ID** | 0xB06F2 |
| **Source Control Label** | (BETA)5.27\_1AYRT\_RC0C.00.8B.10(3361.14)\_030 | **TCSS Firmware** | N/A |
| **ME Firmware** | 16.1.25.1991 | **PD Firmware** | N/A |
| **EC Firmware** | 0.29.00 | **IOM Firmware** | N/A |
| **PMC Firmware** | 160.02.00.1039 | **PHY Firmware** | 13.57.211.7252  13.0.1.7081 |
| **Boot Guard ACM** | N/A | **SMU Firmware** | N/A |
| **Memory Reference Code** | DDR5  0.0.4.110 | **VBT Firmware** | N/A |
| **Integrated Graphics** | 17.0.1079 | **Intel RST Firmware** | 19.5.0.5676 |
| **dGPU** | X2 / X4 / X6 support | **Audio IC** | ALC256, ALC274,  CX11880 |

**New Fixes/Features:**

**First release:**

* 1. MED\_001:Add DMI string
* 2. MED\_002:Change boot logo based on the DMI info.
* 3. MED\_003:Set GUID
* 4. MED\_004:Add Medion flag 0x12 for EC(Fn key function)
* 5. MED\_005:Set Boot Device sequence
* 6. MED\_006:Update ACPI table header: T\_ACPI\_OEM\_ID to "MEDION"; T\_ACPI\_OEM\_TBL\_ID to "MEDIONAG".
* 7. MED\_007: MEDION Secure Boot and keys

**Changes/Note:**

N/A

**Known Errata:**

N/A