***ModelName***

***F/W（BIOS、ME）update SOP v1.5***

**CMOS LOST MODE**

1. Clear CMOS Battery / COMS BATTERY FRIST TIME SET IN M/B

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| Step | Description |
| 1 | Connect AC adapter. |
| 2 | Hit System power ON. |
| 3 | The unit may auto restart 1~3 times. |
| 4 | System will automatically enter “CMOS LOST POST” message. |
| 5 | Press Enter or click OK to leave the “CMOS LOST POST” message. |
| 6 | If there are no system boot devices, the message will be “No Boot Device”, press Enter or click OK to enter BIOS setup menu.  If there is system boot device, the unit will enter the OS. |

**UEFI SHELL MODE**

1. Quick Update BIOS

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| Step | Description |
| 1 | Connect AC adapter. |
| 2 | Hit System power ON. |
| 3 | Press F2 to Enter “Administer Secure Boot” menu and set “Enforce Secure Boot” to “Disable”, and Press F10 to save and Exit , system will coldboot |
| 4 | Boot under EFI Shell environment. |
| 5 | Go under BIOS subfolder, run Flash.nsh. |
| 6 | Run PC5xHPxxx.efi.(xxx:define bios version ex: P1) |
| 7 | The unit restarts after Insyde Flash Tool loads the flash image. |
| 8 | After flash the system will shut down automatically. |
| 9 | Disconnect AC adapter then reconnect after 5 seconds, then press power button start the unit. |
| 10 | The unit may auto restart 1~3 times. |
| 11 | Use ”F2 ”key to enter BIOS system set up, select Setup Utility, and use ”F9 ”key - Load Optimal Defaults, press Yes then ”F10 ”key - to exit Saving Changes, press Yes , system will coldboot one or two times. |
| 12 | Press F2 to Enter “Administer Secure Boot” menu and set “Enforce Secure Boot” to “Enable” and press F10 to Save and Exit |

1. Update BIOS + FULL\_ME:

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| Step | Description |
| 1 | Connect AC adapter. |
| 2 | Hit System power ON. |
| 3 | Press F2 to Enter “Administer Secure Boot” menu and set “Enforce Secure Boot” to “Disable”, and Press F10 to save and Exit , system will coldboot |
| 4 | Boot under EFI Shell environment. |
| 5 | Go under ALL subfolder, run CKME.nsh,  Batch file will execute MeSet.efi, system will auto shutdown then restarts.  Important Note:   1. Meset.efi will auto shutdown the system then auto restart, please wait for the system to auto restart. Do not attempt to enter other set up menu like F2 or F7. 2. TBT type C port cannot have any USB devices, or MeSet cannot execute correctly. |
| 6 | * + - 1. Go under ALL subfolder, run FLASHME.nsh.       2. Run PC5xHPxxx.efi to flash the BIOS. |
| 7 | After flash, the unit will not auto shut down, need to shut down manually.  Disconnect AC adapter then reconnect after 5 seconds, then start the unit. |
| 8 | The unit may auto restart 1~3 times. |
| 9 | 1. Boot under EFI Shell environment. 2. Run EOL.nsh. 3. System will auto shutdown then restarts.   (Note: If you see eol2.jpg message, but the system does not auto shutdown, please hit power button to turn off the unit then restart the unit manually. This is considered normal.) |
| 10 | Use ”F2 ”key to enter BIOS system set up, select Setup Utility, and use ”F9 ”key - Load Optimal Defaults, press Yes then ”F10 ”key - to exit Saving Changes, press Yes , system will coldboot one or two times. |
| 11 | Press F2 to Enter “Administer Secure Boot” menu and and set “Enforce Secure Boot” to “Enable” and press F10 to Save and Exit |

3. TOOL EOLTESTWIN64.bat:

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| 1 | Boot under EFI Shell environment. |
| 2 | Run EOLTESTWIN64.bat,  SYSTEM WILL SHOW “MEManuf Operation Passed”. |
| 3 | ME LOCK OK. |

4.

1. TOOL MEInfoWin64: (tool is MEInfoWin64.exe,CHECK ME STATUS)

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| Step | Description |
| 1 | Connect AC adapter. |
| 2 | Boot under Windows 64-bit environment. |
| 3 | Run MEInfoWin64 –page (RUN AS ADMIN in Command Prompt). |

**WINDOWS MODE**

1.         Quick Update BIOS+ ME:

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| Step | Description |
| 1 | Connect AC adapter. |
| 2 | Boot under Windows 64-bit environment. |
| 3 | 1. Go under BIOS\_ME subfolder, use mouse curser to click and run FlashWinx64.bat, or to open command prompt, and run FlashWinX64.bat. 2. Run PC5xHPxxx.exe to update BIOS section. |
| 4 | A pop-up window will ask permission to restart, click OK. |
| 5 | After restart the unit will enter flash process automatically. |
| 6 | After flash the system will shut down automatically, press power button to start the unit. |
| 7 | The unit may auto restart 1~3 times. |
| 8 | Use ”F2 ”key to enter BIOS system set up, select Setup Utility, and use ”F9 ”key - Load Optimal Defaults, press Yes then ”F10 ”key - to exit Saving Changes, press Yes , system will coldboot one or two times. |

2.       Update BIOS + Full ME:

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| Step | Description |
| 1 | Connect AC adapter. |
| 2 | Boot under Windows 64-bit environment. |
| 3 | Go under ALL subfolder, run WMeset.exe(RUN AS ADMIN), the system will auto reboot. |
| 4 | Open command prompt(RUN AS ADMIN), go under ALL subfolder, run FlashMEWinX64.bat. |
| 5 | After flash, the unit will not auto shut down, need to shut down manually.  Disconnect AC adapter then reconnect after 5 seconds, then start the unit. |
| 6 | The unit may auto restart 1~3 times. |
| 7 | 1. Boot under Windows 64-bit environment.  2. Run EOLWIN64.bat(RUN AS ADMIN in Command Prompt).  3. The system will auto reboot. |
| 8 | Use ”F2 ”key to enter BIOS system set up, select Setup Utility, and use ”F9 ”key - Load Optimal Defaults, press Yes then ”F10 ”key - to exit Saving Changes, press Yes , system will coldboot one or two times . |

3. TOOL EOLTESTWIN64.bat:

|  |  |
| --- | --- |
| 1 | Boot under EFI Shell environment. |
| 2 | Run EOLTESTWIN64.bat,  SYSTEM WILL SHOW “MEManuf Operation Passed”. |
| 3 | ME LOCK OK. |

4.

1. TOOL MEInfoWin64: (tool is MEInfoWin64.exe,CHECK ME STATUS)

|  |  |
| --- | --- |
| Step | Description |
| 1 | Connect AC adapter. |
| 2 | Boot under Windows 64-bit environment. |
| 3 | Run MEInfoWin64 –page (RUN AS ADMIN in Command Prompt). |

When using INTEL FLASH TOOL FPT FULL FLASH BIOS SPI ROM 16M, there will be below limitations:

1. It may clean the password under setup menu.
2. Customized DMI String will become the DMI string written within the new BIOS ROM.

Additional Note:

1. System do not Support DOS mode flash (DOS mode no longer in Intel POR).