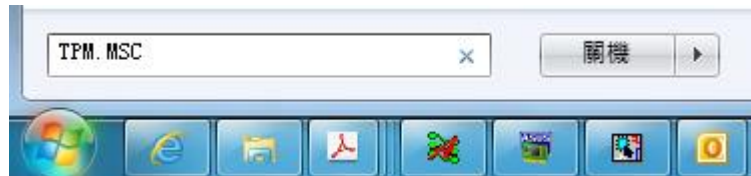**[提醒]** 升級 **FW** 前，務必確認需<span style="color:red">先將加密檔案解密</span>，否則升級 **FW** 後，資料可能無法解密

確認 FW 版本(FW5.51 或 FW5.61)，並複製相對應的檔案至 Tools\UEFI\Bin\x64

- FW 5.51: TPM20_5.51.2098.0_to_TPM20_5.63.3144.0.BIN
- FW 5.61: TPM20_5.61.2785.0_to_TPM20_5.63.3144.0.BIN



步驟:

1.將全部文件 copy 到 U 盘根目录（U 盘为 FAT32 格式）,插入 U 盘

2.BIOS 界面下，进入 Advanced\Trusted Computing，将 Security Device Support 设为 disable

3.BIOS 界面下，进入 Boot\CSM(Compatibility Support Module），将 Lauch CSM 设为 disbale

4.BIOS 界面下，进入 Boot\Secure Boot，将 OS Type 设为 Other OS

5.BIOS 设置完毕，F10 保存重启，进入 Shell

6.进入 Tools\UEFI\Bin\x64

7.执行 TPMFactoryUpd -update tpm20-emptyplatformauth -firmware TPM20_5.61.2785.0_to_TPM20_5.63.3144.0.BIN


**[Remind] Before upgrading, <span style="color:red">encrypted data needs to be decrypted first</span>, otherwise after upgrading, data cannot be decrypted.**

Check TPM 2.0 Firmware version: FW5.51 or FW5.61 and copy the correspondent file to Tools\UEFI\Bin\x64

- FW 5.51: TPM20_5.51.2098.0_to_TPM20_5.63.3144.0.BIN
- FW 5.61: TPM20_5.61.2785.0_to_TPM20_5.63.3144.0.BIN



Steps:

1. Copy all files to USB drive root directory (USB drive format: FAT32) and insert USB drive.

2. In BIOS interface, go to "Advanced\Trusted Computing", and *disable* Security Device Support.

3.  In BIOS interface, go to "Boot\CSM(Compatibility Support Module)", and ***disable*** Launch CSM.
4.  In BIOS interface, go to "Boot\Secure Boot", and set OS Type into Other OS.
5.  Complete BIOS setting, press F10 to save and restart, and then go to "Shell"
6.  Go to "Tools\UEFI\Bin\x64"
7.  Execute "TPMFactoryUpd -update tpm20-emptyplatformauth -firmware TPM20_5.61.2785.0_to_TPM20_5.63.3144.0.BIN" (or TPM20_5.51.2098.0_to_TPM20_5.63.3144.0.BIN)