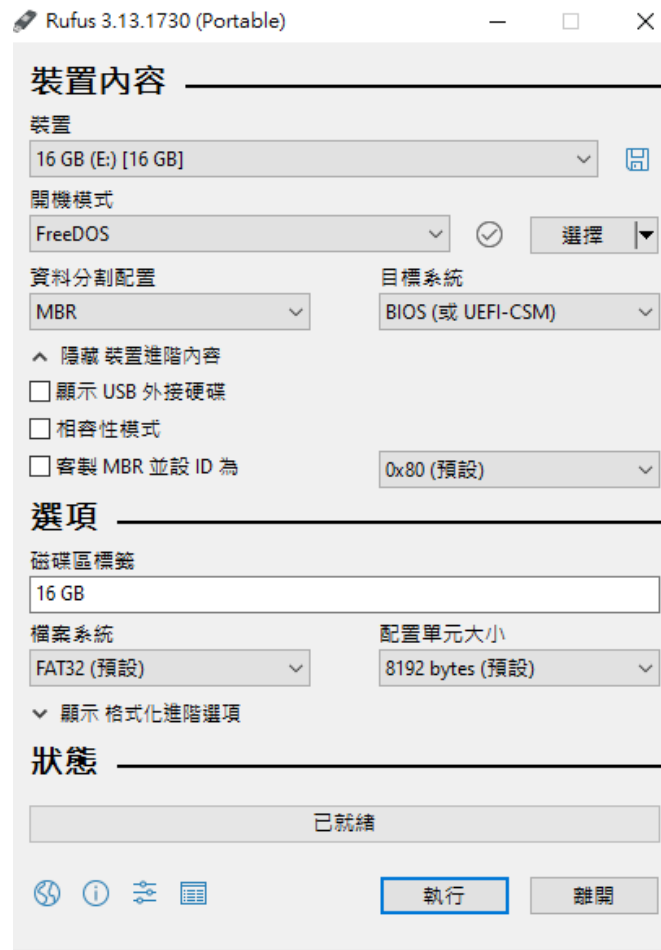


<< How to flash BIOS under UEFI Shell mode >>

Step 1: Prepare an USB flash drive and format it to FAT(or FAT32). (Ex: Rufus v3.13)

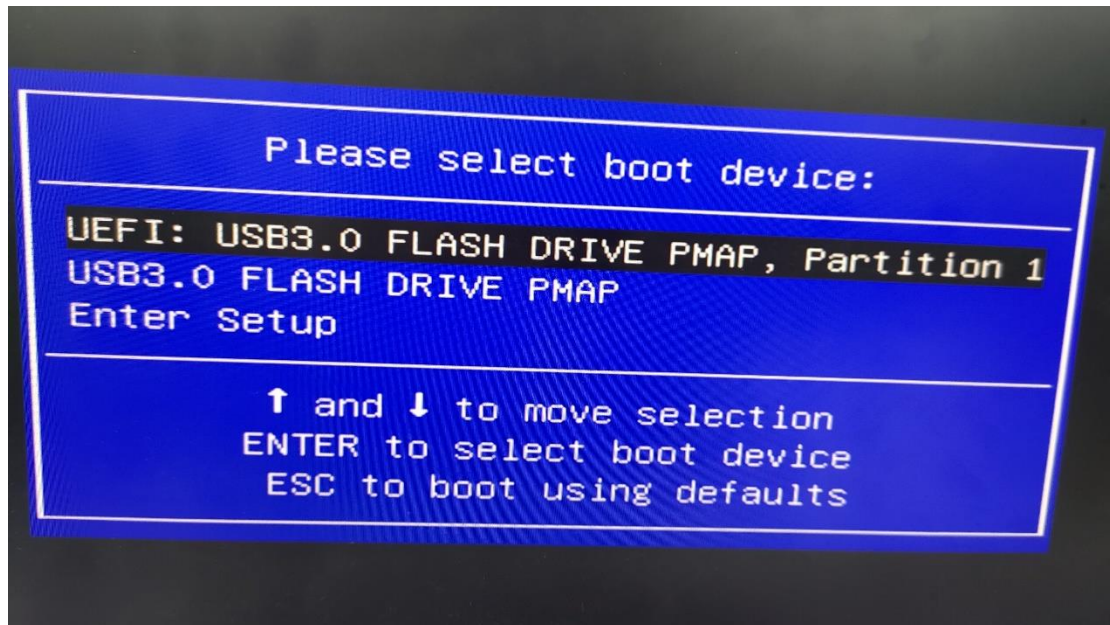


Step 2: Extract BIOS release package(EX: ROM_Z823Axxx*.*) to the root directory(F:\) of USB drive.

16 GB (E:)		
名稱	修改日期	類型
EFI	2021/12/17 下午 04:56	檔案資料夾
ROM_Z823AT03d	2025/1/7 下午 04:04	檔案資料夾

Step 3: Connect USB flash drive to computer.

Step 4: During the computer rebooting, press [F7] key into BBS boot device menu and select [UEFI: your USB drive].



Step 5: The computer will boot into shell mode, then type command fs0: and press [Enter]. (Ex: dir command)

```
COM3 - PuTTY
Shell>
Shell> fs0:

fs0:\> ls
Directory of: fs0:\

01/03/22 02:13p          96 AUTOEXEC.BAT
12/17/21 04:56p <DIR>      8,192 EFI
01/07/25 04:04p <DIR>      8,192 ROM_Z823AT03d
1 File(s)          96 bytes
2 Dir(s)

fs0:\> cd ROM_Z823AT03d

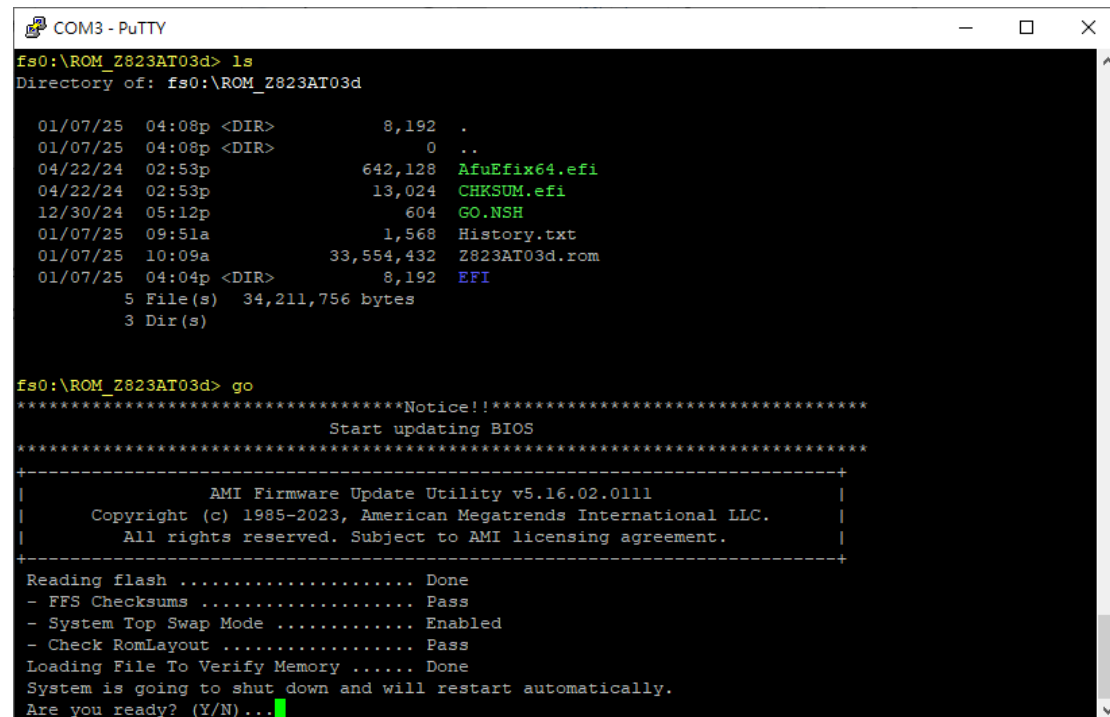
fs0:\ROM_Z823AT03d> ls
Directory of: fs0:\ROM_Z823AT03d

01/07/25 04:08p <DIR>      8,192 .
01/07/25 04:08p <DIR>      0 ..
04/22/24 02:53p        642,128 AFuEfix64.efi
04/22/24 02:53p        13,024 CHKSUM.efi
12/30/24 05:12p          604 GO.NSH
01/07/25 09:51a        1,568 History.txt
01/07/25 10:09a       33,554,432 Z823AT03d.rom
01/07/25 04:04p <DIR>      8,192 EFI
5 File(s)       34,211,756 bytes
3 Dir(s)

fs0:\ROM_Z823AT03d>
```

Step 6: Type [GO] then press enter to start BIOS updating.

Prompt: Are you ready? Press [Y] then system will restart automatically.



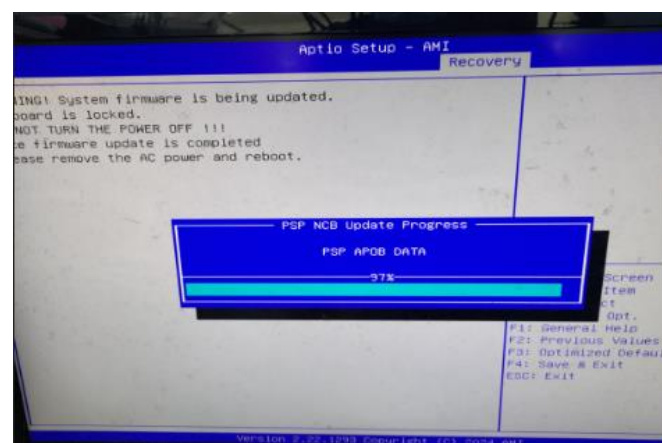
```
COM3 - PuTTY
fs0:\ROM_Z823AT03d> ls
Directory of: fs0:\ROM_Z823AT03d

01/07/25  04:08p <DIR>          8,192  .
01/07/25  04:08p <DIR>           0  ..
04/22/24  02:53p                642,128  AfuEfix64.efi
04/22/24  02:53p                13,024  CHKSUM.efi
12/30/24  05:12p                 604  GO.NSH
01/07/25  09:51a                 1,568  History.txt
01/07/25  10:09a            33,554,432  Z823AT03d.rom
01/07/25  04:04p <DIR>          8,192  EFI
5 File(s) 34,211,756 bytes
3 Dir(s)

fs0:\ROM_Z823AT03d> go
*****Notice!!*****
Start updating BIOS
*****
+-----+
|          AMI Firmware Update Utility v5.16.02.0111          |
| Copyright (c) 1985-2023, American Megatrends International LLC. |
| All rights reserved. Subject to AMI licensing agreement.      |
+-----+
Reading flash ..... Done
- FFS Checksums ..... Pass
- System Top Swap Mode ..... Enabled
- Check RomLayout ..... Pass
Loading File To Verify Memory ..... Done
System is going to shut down and will restart automatically.
Are you ready? (Y/N)...
```

Step: After restarting, you will hear two short beeping sounds. You will then enter the BIOS flash screen.

Please do not remove any power source until it boots up normally.



Step9: The system will reboot 2 or 3 times until it is Boot completed.

PS: Prepare the external display card system if you want to see the display process.
(not a necessary step)