

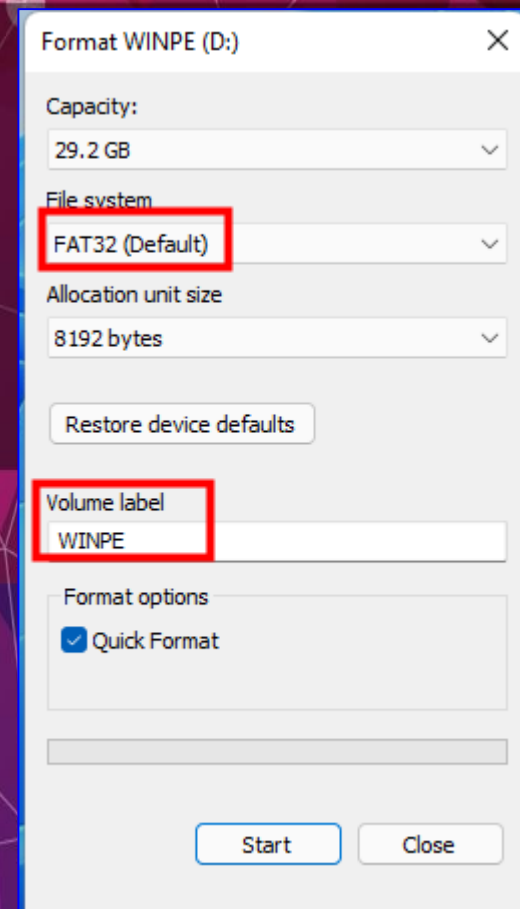
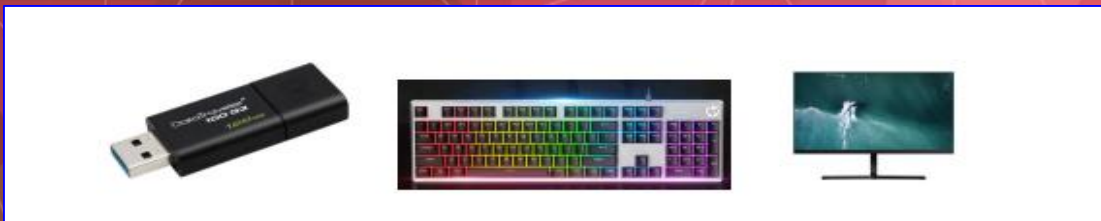
UM790 Update Bios

Note: Updating the BIOS will restore the default factory state, and will format all hard disks if the **RAID** mode has been set in the BIOS.

Minisforum

Step 1: Format the USB drive and copy the Bios file to the root directory of the USB drive.
Set the USB drive to FAT32 format and change the name to WINPE (Suggestion: Use a 16GB-32GB USB drive).

Preparation tools: U disk <32GB, wired keyboard, display.



Step 2: Unzip the downloaded BIOS file. Copy to the root directory of the USB drive

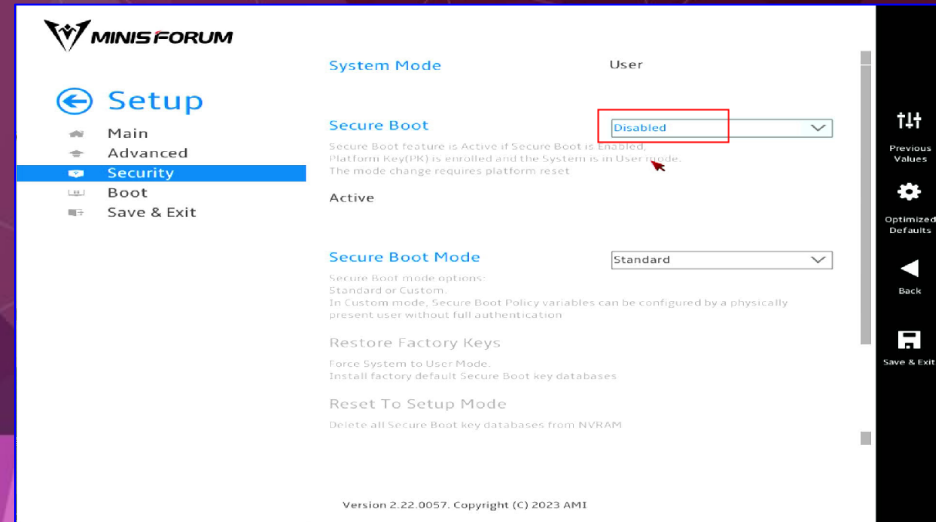
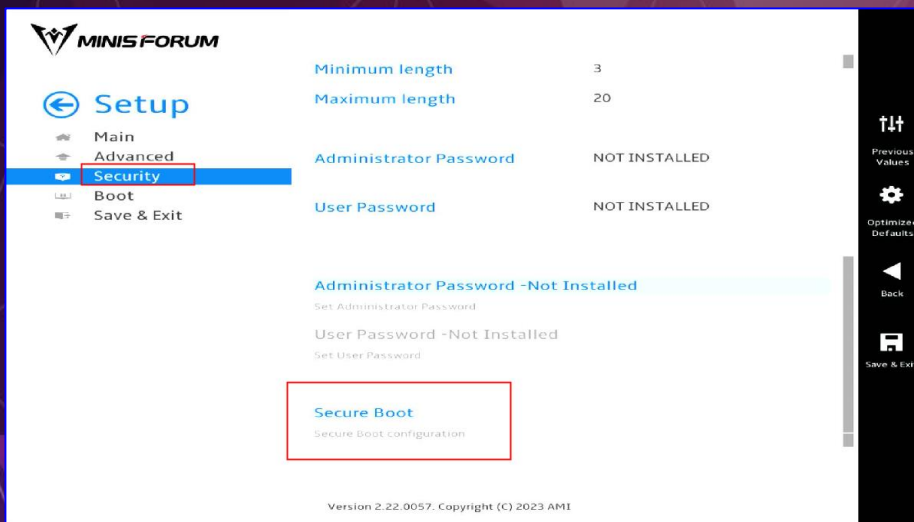
Copy all the folders to the root directory of the USB drive.

| | |
|-----------------|-----------------|
| EFI | 2023/2/21 9:46 |
| WinRing0x64.sys | 2008/7/26 22:30 |
| WinRing0x64.dll | 2009/5/27 21:59 |
| amifldr64.sys | 2021/8/6 19:50 |
| amigendr64.sys | 2022/9/29 17:15 |
| AFUWINx64 | 2022/12/8 16:25 |
| EfiFlash | 2023/5/29 23:24 |
| IOcmd | 2023/5/31 22:43 |
| AfuEfix64 | 2023/6/5 14:01 |
| shutdown | 2023/6/5 14:02 |
| WinFlash | 2023/6/16 17:45 |
| Release_Note | 2023/6/29 13:11 |
| F7BSC.rom | 2023/7/7 8:56 |

Step 3: Boot into Bios and turn off Secure Boot

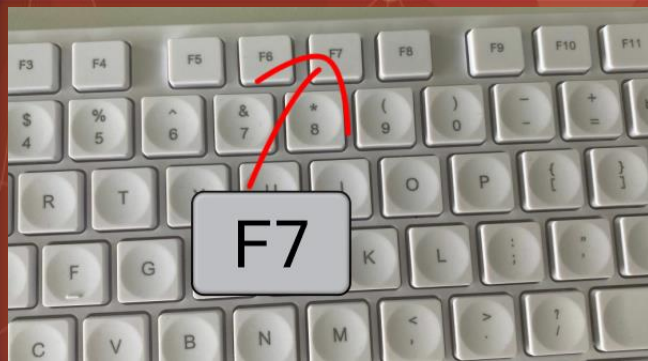
Press the "Delete" key at boot to enter Bios

Steps to turn off Secure Boot: Select "Settings" ---- "Security" ---- Secure Boot to Disable Press keyboard F4 Enter to save



Step 4: Insert the USB stick into the computer and start updating the Bios

Press the F7 key on the keyboard when booting to enter the Quick Start menu and select U disk



Please select boot device:

UP and DOWN to move selection
ENTER to select boot device
ESC to boot using defaults

UEFI: KingstonDataTraveler 3.00000, Partit
ion 1 (KingstonDataTraveler 3.00000)
UEFI: Built-in EFI Shell
Enter Setup

1. type " fs2: " press enter

2. Type " ls" and press Enter

3. Press Tab to find EfiFlash.nsh and press Enter to update Bios automatically

Press ESC in 3 seconds to skip **startup.nsh**, any other key to continue.

Shell> **fs2:** ¹

fs2:\> ls ²

Directory of: fs2:\

| | | | |
|------------|--------|------------------|----------------------|
| 06/05/23 | 02:01p | 627,160 | AfuEfix64.efi |
| 12/08/22 | 04:25p | 1,113,200 | AFUWINx64.EXE |
| 08/06/21 | 07:50p | 29,056 | amifldr64.sys |
| 09/29/22 | 05:15p | 37,040 | amigendrv64.sys |
| 05/29/23 | 11:24p | 57 | EfiFlash.nsh |
| 05/31/23 | 10:43p | 136,192 | IOcmd.exe |
| 06/29/23 | 01:11p | 3,670 | Release_Note.txt |
| 06/05/23 | 02:02p | 85,416 | shutdown.efi |
| 06/16/23 | 05:45p | 223 | WinFlash.bat |
| 05/27/09 | 09:59p | 57,856 | WinRing0x64.dll |
| 07/26/08 | 10:30p | 14,544 | WinRing0x64.sys |
| 02/21/23 | 09:46a | 16,384 | EFI |
| 07/07/23 | 08:56a | 33,554,432 | F7BSC.rom |
| 12 File(s) | | 35,658,846 bytes | |
| 1 Dir(s) | | | |

fs2:\> EfiFlash.nsh_

Automatic shutdown and reboot after update completion

```
07/07/23 08:56a          33,554,432 F7BSC.rom
      12 File(s)  35,658,846 bytes
      1 Dir(s)
```

```
fs2:\> EfiFlash.nsh
```

```
EfiFlash.nsh> AfuEfi64.efi F7BSC.rom /p /b /n /k /RLC:E
```

```
+-----+
|              AMI Firmware Update Utility v5.16.00.0101              |
|      Copyright (c) 1985-2022, American Megatrends International LLC.  |
|      All rights reserved. Subject to AMI licensing agreement.         |
+-----+
```

```
Reading flash ..... Done
- FFS Checksums ..... Pass
- Check RomLayout ..... Pass
Erasing Main Block ..... Done
Updating Main Block ..... Done
Verifying Main Block ..... Done
Erasing Boot Block ..... Done
Updating Boot Block ..... Done
Verifying Boot Block ..... Done
Erasing NVRAM Block ..... Done
Updating NVRAM Block ..... Done
Verifying NVRAM Block ..... Done
_Erasing NCB Block ..... 0x00C75000 (45%)
```