??OS

- ME Pro????????
- ???? IOMMU ????
- ?????????FNOS??

ME Pro????????

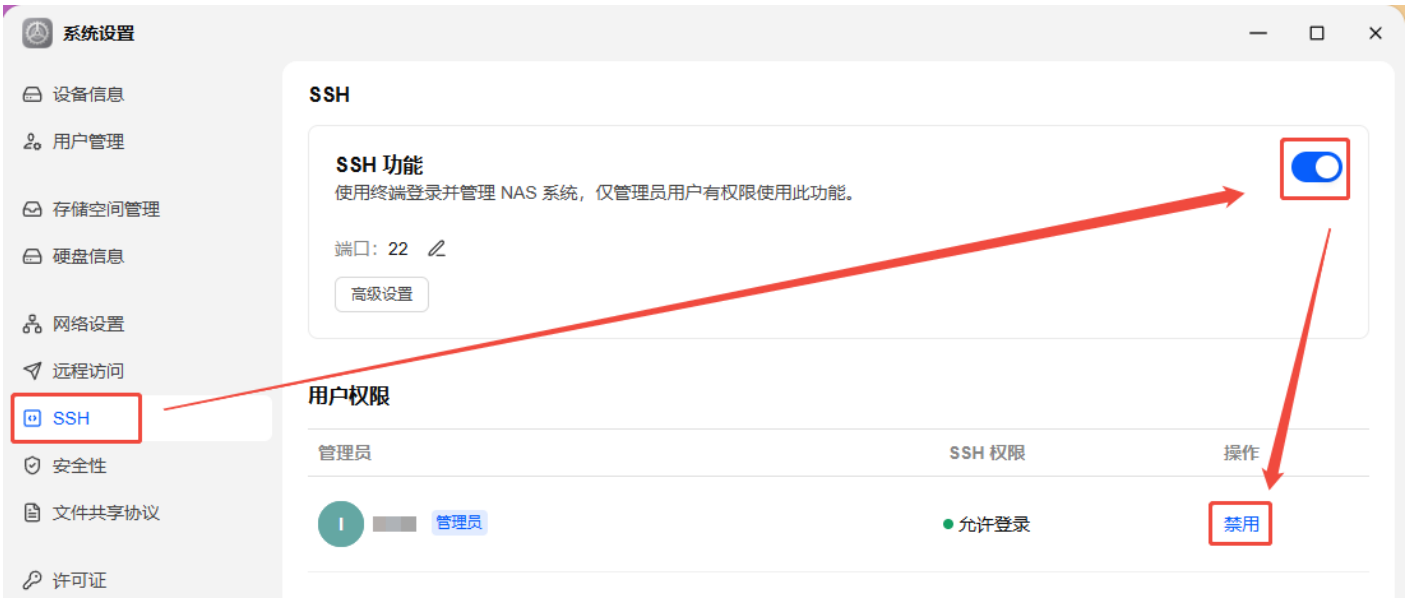
???? IOMMU ????

?? ME mini/pro BIOS ????????IOMMU?????? OS ???????? “IOMMU ???”????????????????????????



???

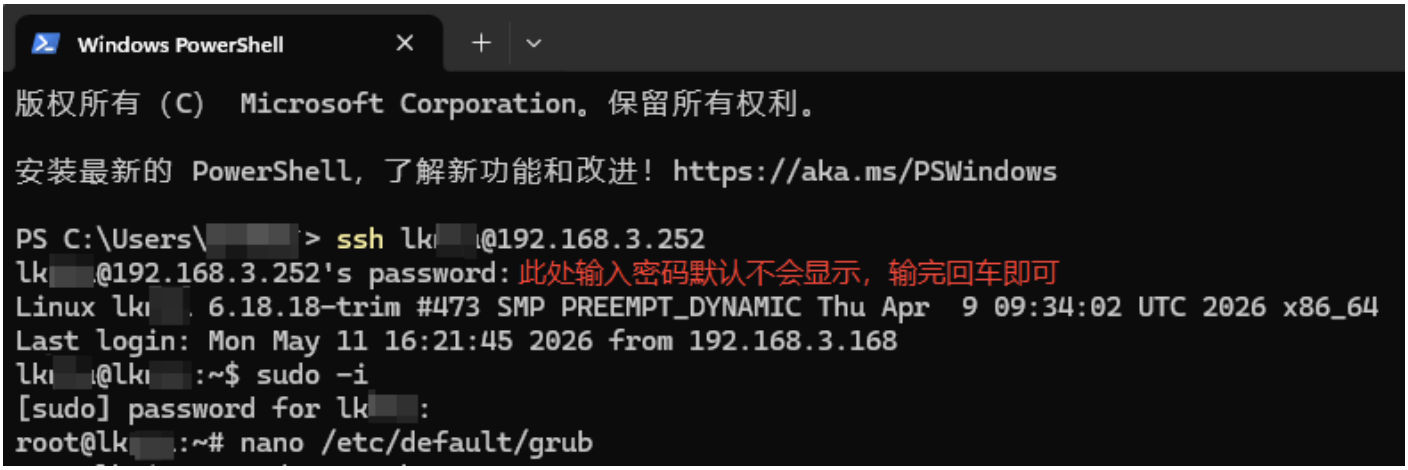
1. ???? SSH ?????????? SSH ???????



2. ?? SSH ?? SSH ???? Windows PowerShell?????????

```
sudo -i
```

????????????????????? root ??



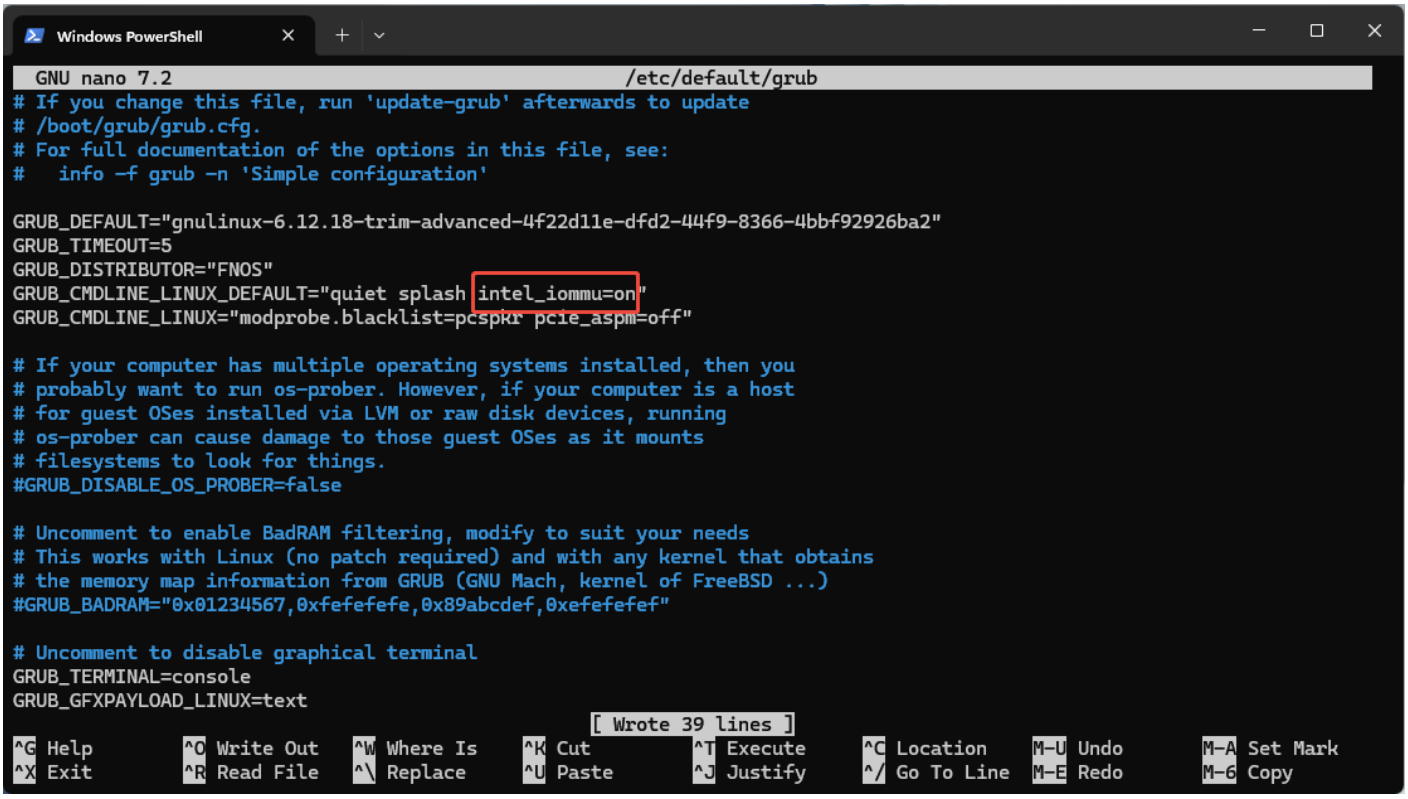
3. ?? GRUB ?? ???

```
nano /etc/default/grub
```

?? `GRUB_CMDLINE_LINUX_DEFAULT` ???????????

```
intel_iommu=on
```

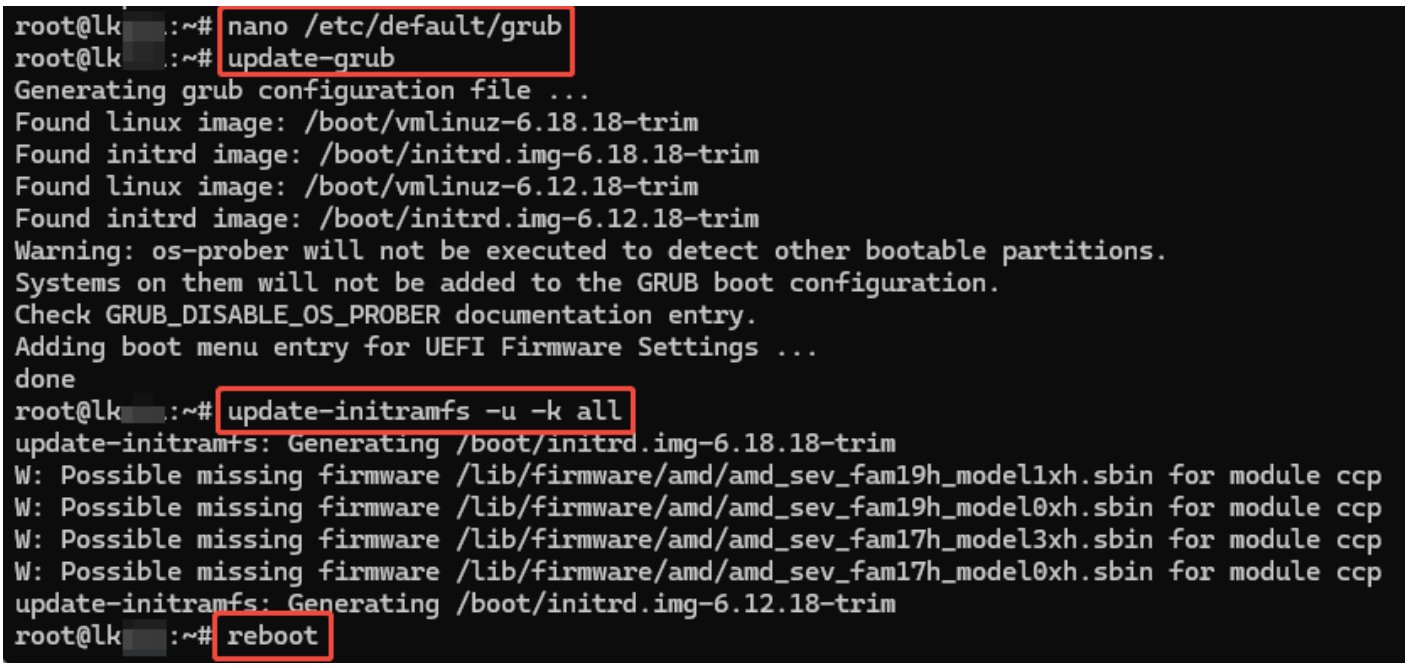
> ❝ AMD ???? `intel` ?? `amd`
>
> **???? GRUB ??????????????????**



4. ???? ? `Ctrl+X` ?? `y` ?????

5. ??????? ???

```
update-grub
update-initramfs -u -k all
reboot
```



6. ?????????? IOMMU ?????


虚拟机
概览
虚拟机
硬件
硬件检测
CPU 虚拟化
提高CPU和内存的虚拟运行效率，如 Intel VT-x 或 AMD-V 技术，需要在BIOS中手动启用
已开启
IOMMU
是开启 PCI 硬件直通的必要条件，需要在 BIOS 和 内核启动参数手动开启，不开启不影响虚拟机的使用
已开启
硬件直通
硬件直通选项
开启后可在虚拟机配置中直通 USB 设备和 PCI 设备给虚拟机独占使用，其中直通 PCI 设备需要开启 IOMMU
已开启
硬件直通技术存在一定风险，使用前，请先了解相关影响《硬件直通技术免责声明》

???

- ????????????? SSH????????
- ??????????????????????????

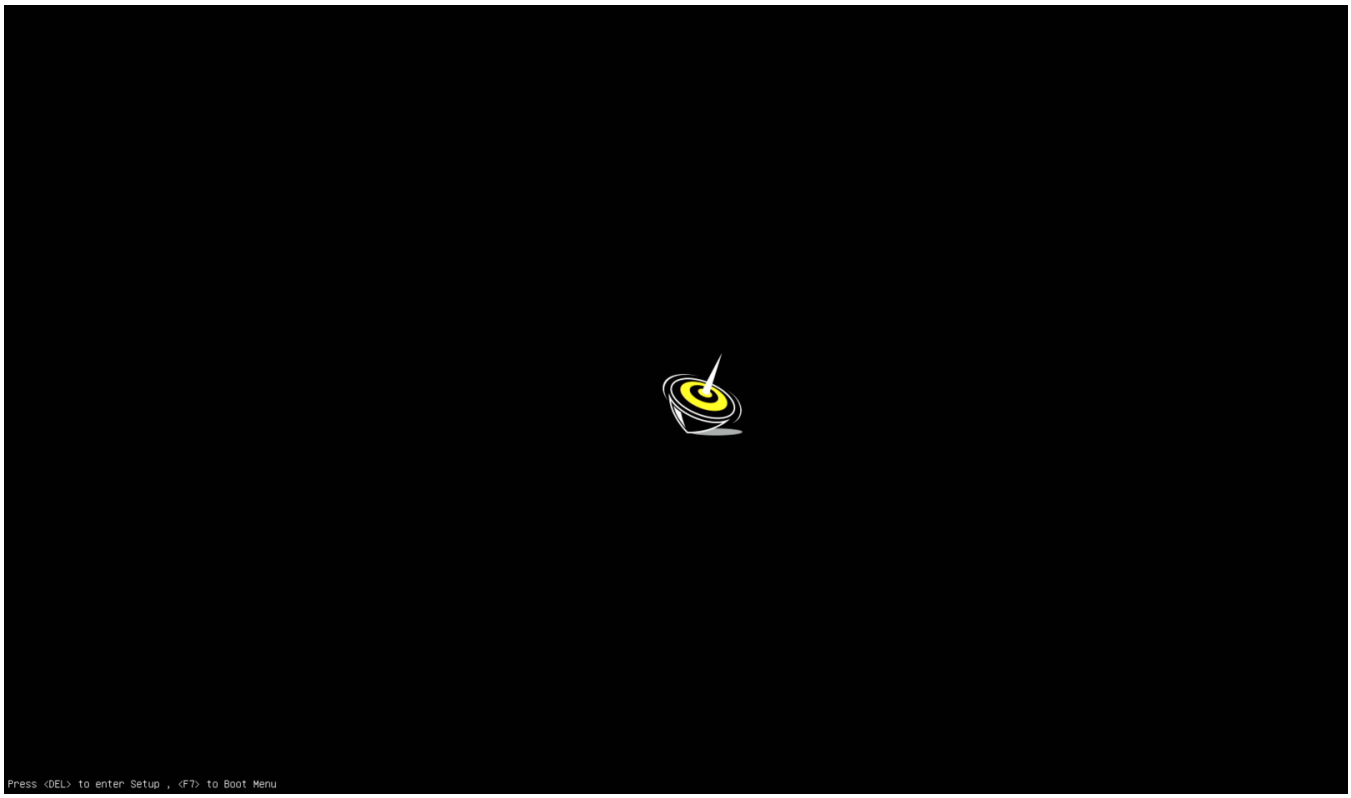
?????????FNOS??

?? ME Mini/Pro ????????????? BIOS ?????????

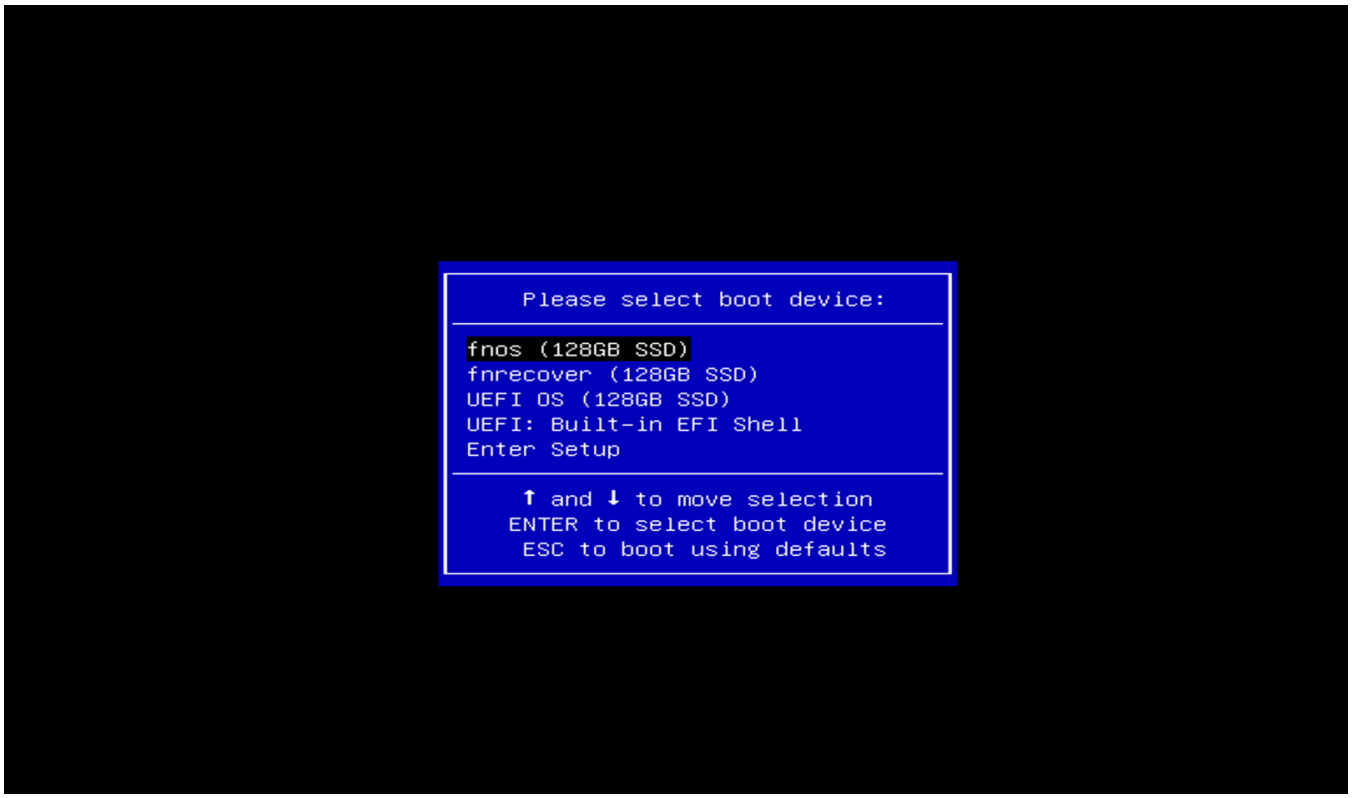
????????? `Reset` ??????????? 5s ????????? 10s ???????

????? BIOS ??????????

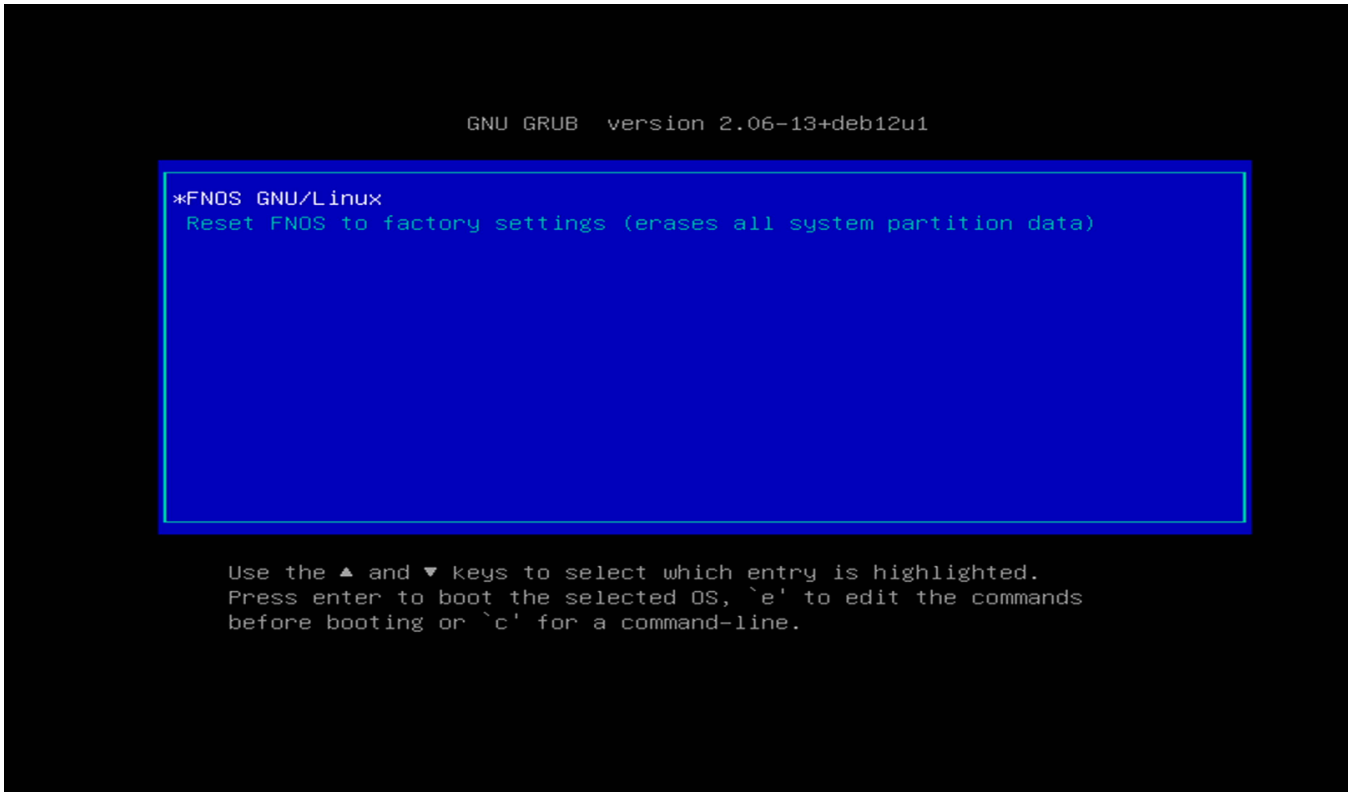
1. ???? Logo ?????**???? F7** ?????????



2. ????????? **fnrecover** ??????????



3. ?? **Reset FNOS to factory settings** ???



4. ????????????????????????



5. ????????? IP??????????????????????


FNOS
OS version: fnOS v1.1.5
Hostname: trim
For more information, help or support, go here:
https://www.fnnas.com
MEPro-AEF6 login: