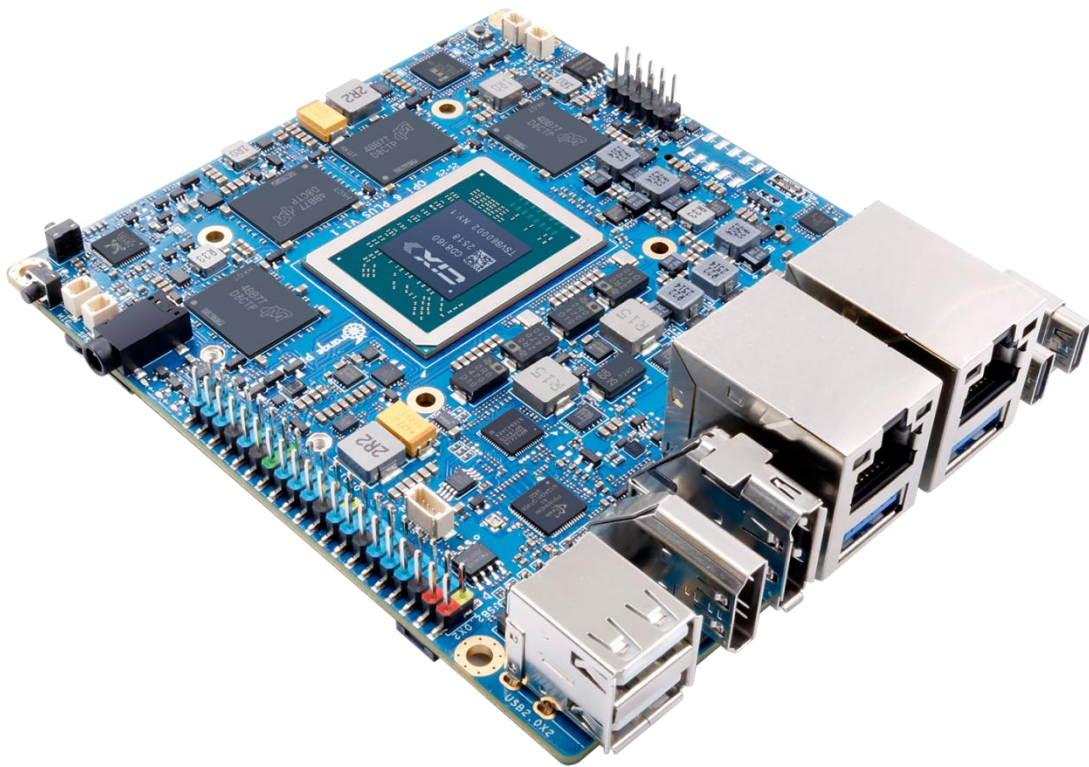# OrangePi 6 Plus
Windows11-Arm64 User Manual

Catalogue

1. Install Windows 11-Arm64 system

1.1. Download the Windows 11-Arm64-23h2 system image

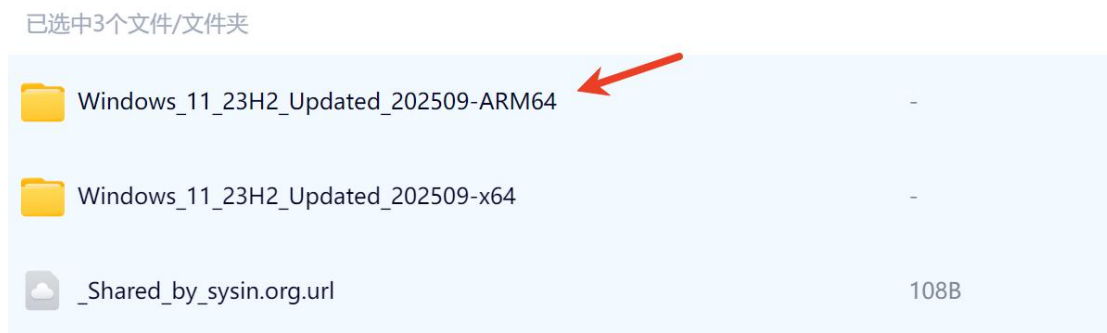A.Mirror   reference
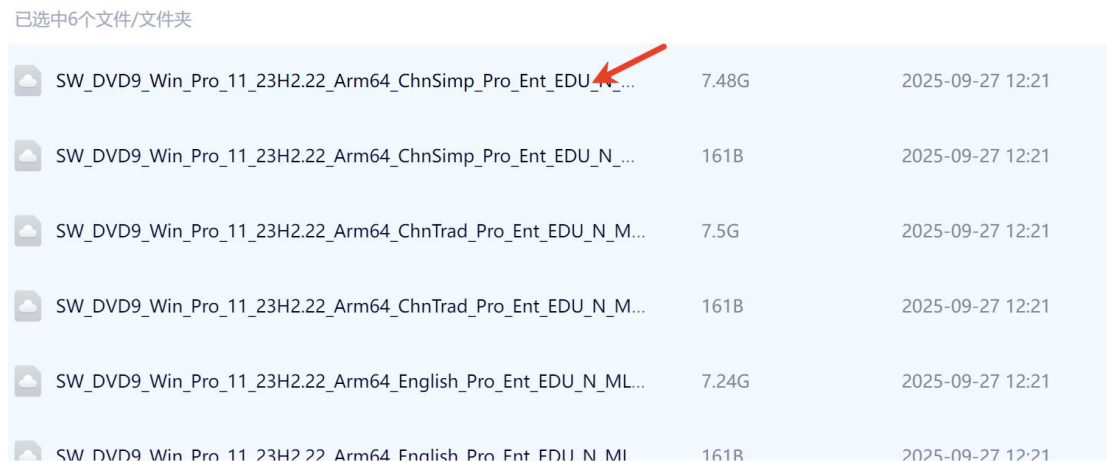URL:https://pan.baidu.com/s/1Y6cjZbP4MK_lAleGgeP10Q?pwd=em5s
After opening the mirror hyperlink, as shown below：

B.Continue to open the folder.

C.Download the Windows 11-Arm64-23h2 system image.

1.2.　Create a Windows 11 system boot disk

1）Preparation of required tools and their contents
You need a USB flash drive with a capacity of more than 16G, a system image of Windows11-Arm64-23h2 version, and a PCIe NVME type SSD hard drive.
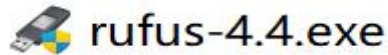
2）Download Rufus
Official website link：Orange Pi 6 Plus – Orange Pi Official Website – Orange Pi development board, open source hardware, open source software, open source chips, computer keyboard.

Rufus tool download: Open the official website link and download the Windows 11 system boot disk creation tool under the official tool.

3）Create a boot disk
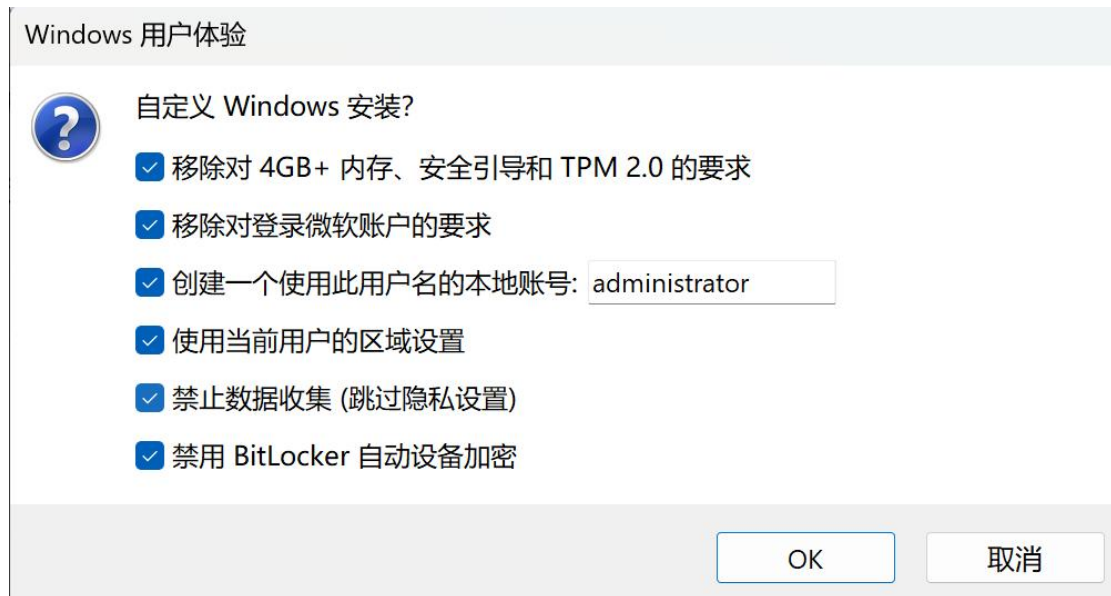A.Insert the USB drive into the work machine and double-click to execute the rufus-4.4.exe tool.

B.Open the Rufus tool, the interface is as shown below：

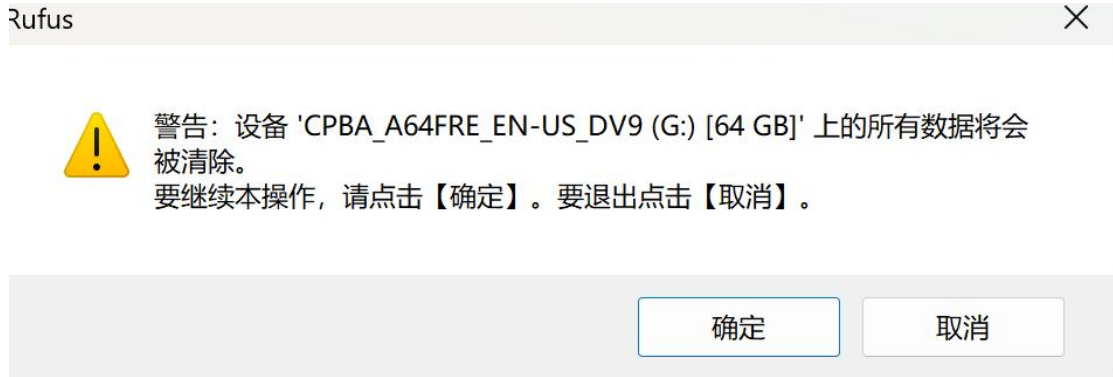C.As shown in the figure below, select the Windows 11 image file to load and click Start.

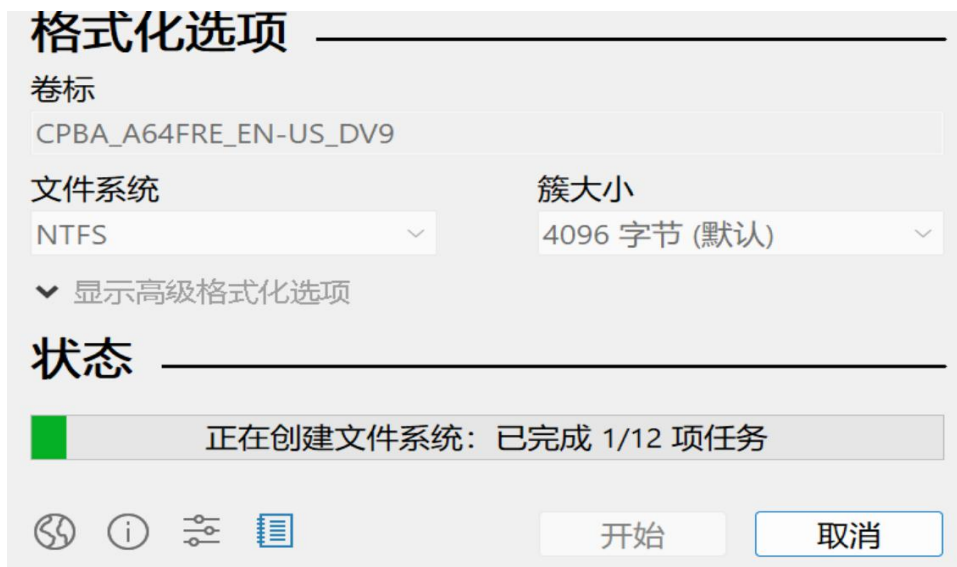D.Check the parameters as shown in the figure below and click OK.

Note: If the USB drive contains important data, you need to back it up in advance.

Click OK.

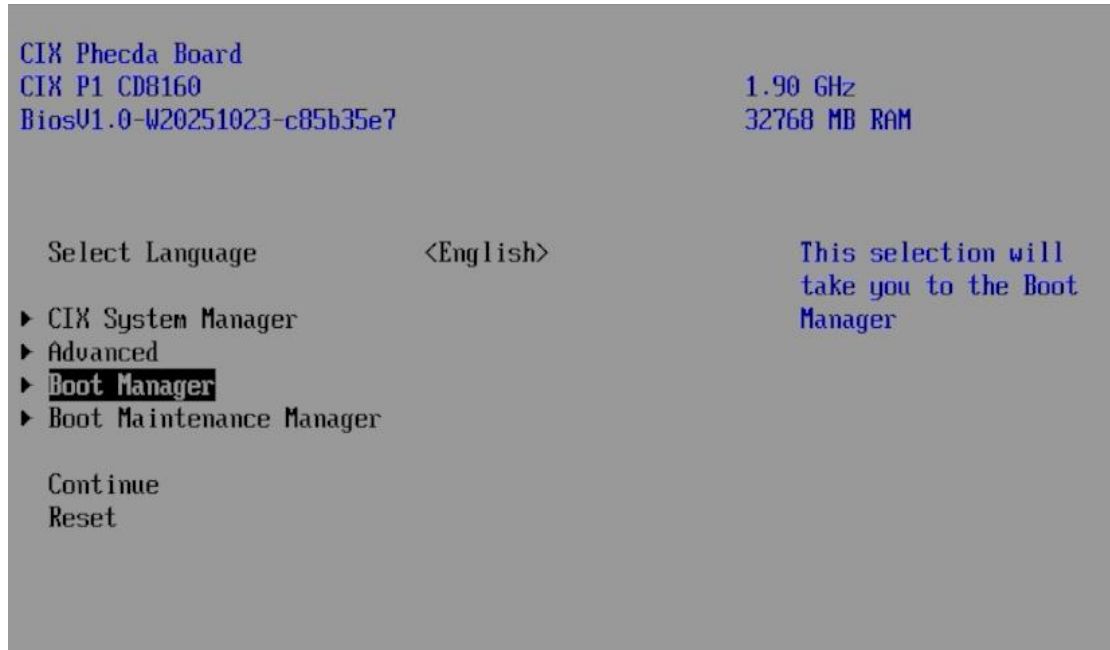Rufus   ✕

⚠ 警告：设备 'CPBA_A64FRE_EN-US_DV9 (G:) [64 GB]' 上的所有数据将会
    被清除。
    要继续本操作，请点击【确定】。要退出点击【取消】。

                                              确定   取消

E.Start creating the boot disk.

格式化选项 —————————————————————

卷标
CPBA_A64FRE_EN-US_DV9

文件系统   簇大小
NTFS   ⌄   4096 字节 (默认)   ⌄

⌄ 显示高级格式化选项

状态 —————————————————————————

  ▇   正在创建文件系统：已完成 1/12 项任务

🌐 ⓘ ⚙ ▤   开始   取消

The completed production is shown in the figure below：

格式化选项 —————————————————————

卷标
CPBA_A64FRE_EN-US_DV9

文件系统   簇大小
NTFS   ⌄   4096 字节 (默认)   ⌄

⌄ 显示高级格式化选项

状态 —————————————————————————

  准备就绪

🌐 ⓘ ⚙ ▤   开始   关闭

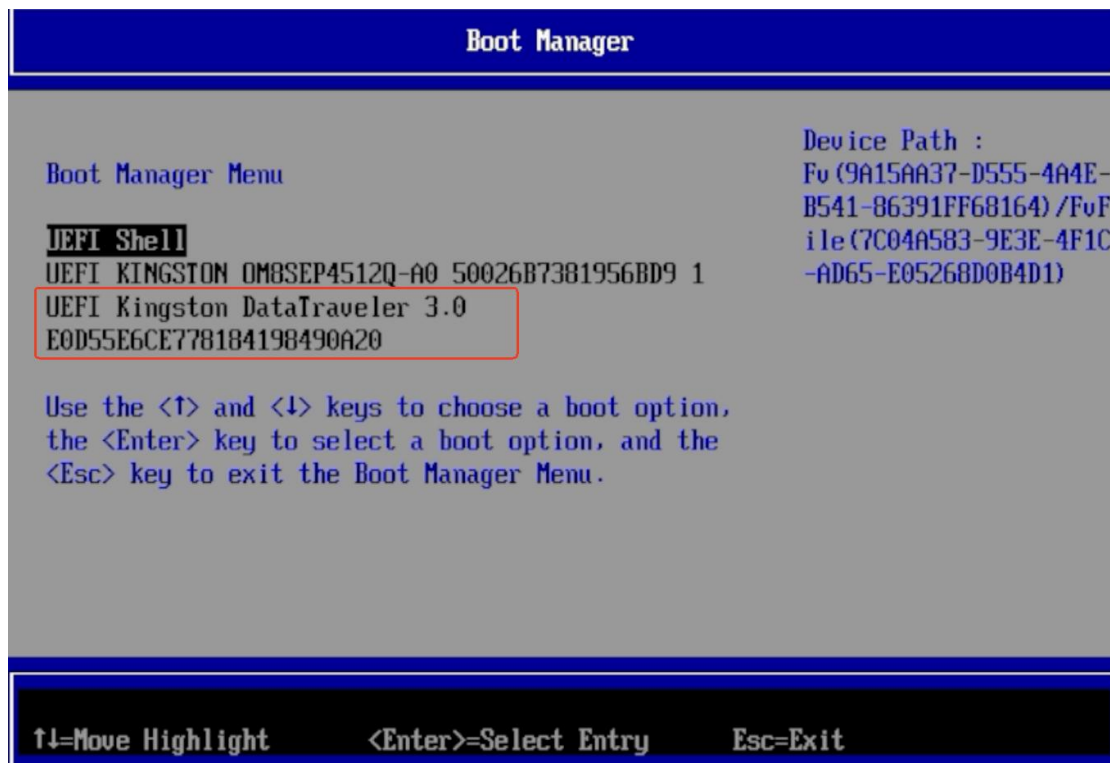检测到 1 个设备   00:10:01

1.3. Install Windows 11-Arm64 system

A.Power on the development board, press the F2 shortcut key to enter the BIOS, and select the "Boot Manage" interface.

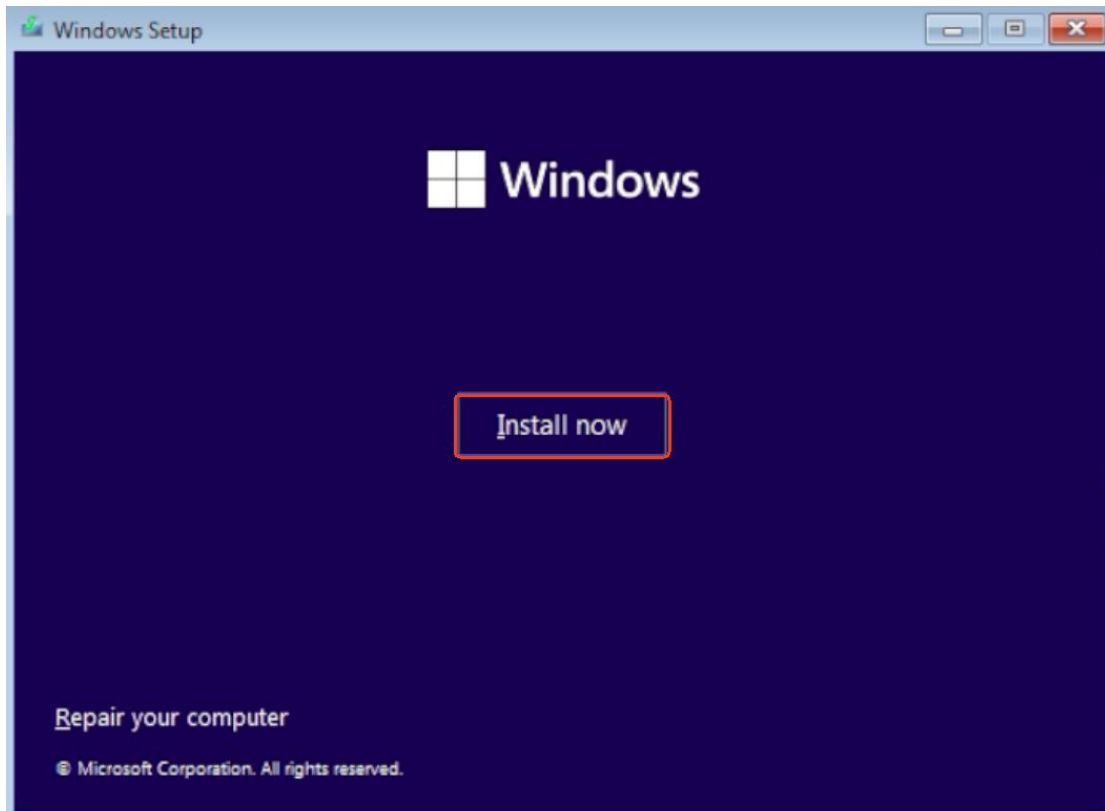Click the USB boot item in the picture to start the Windows 11 installation program.

B.Start booting the Windows 11 installation program, wait for the following interface
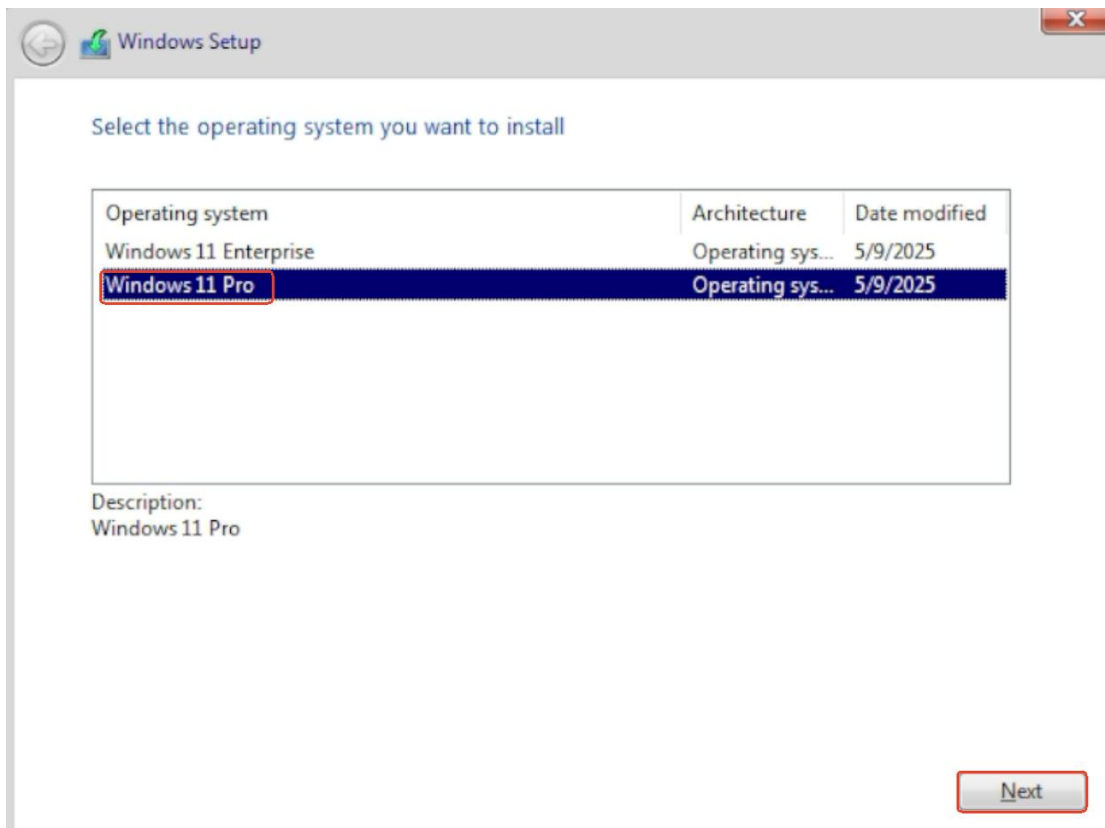
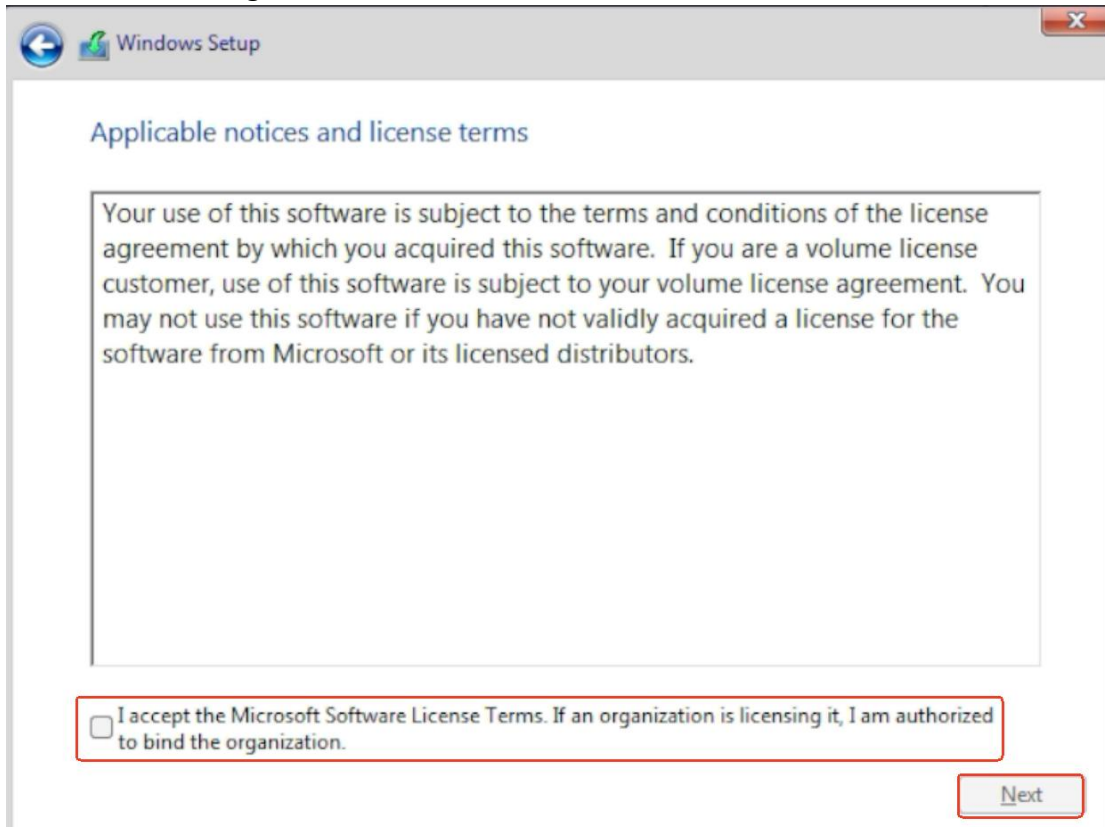to enter, and click Next.

C.Click Install now to start loading.

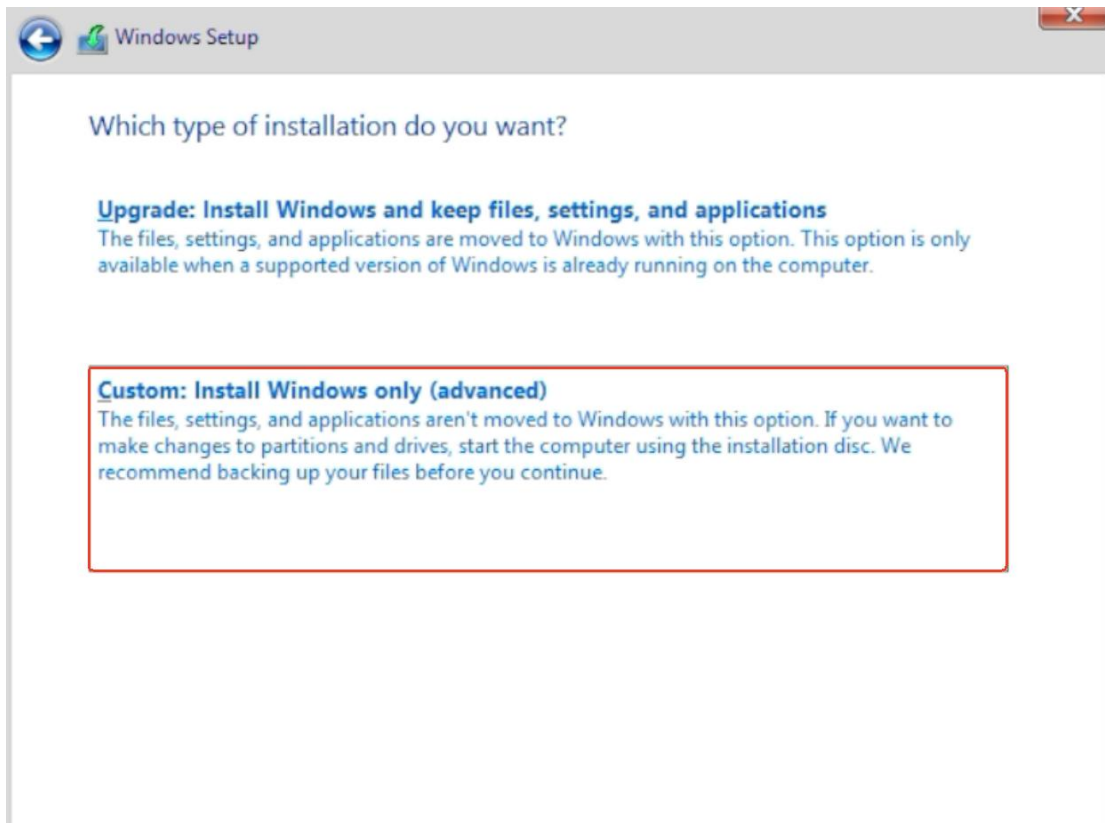Select Windows 11 Pro and click Next.
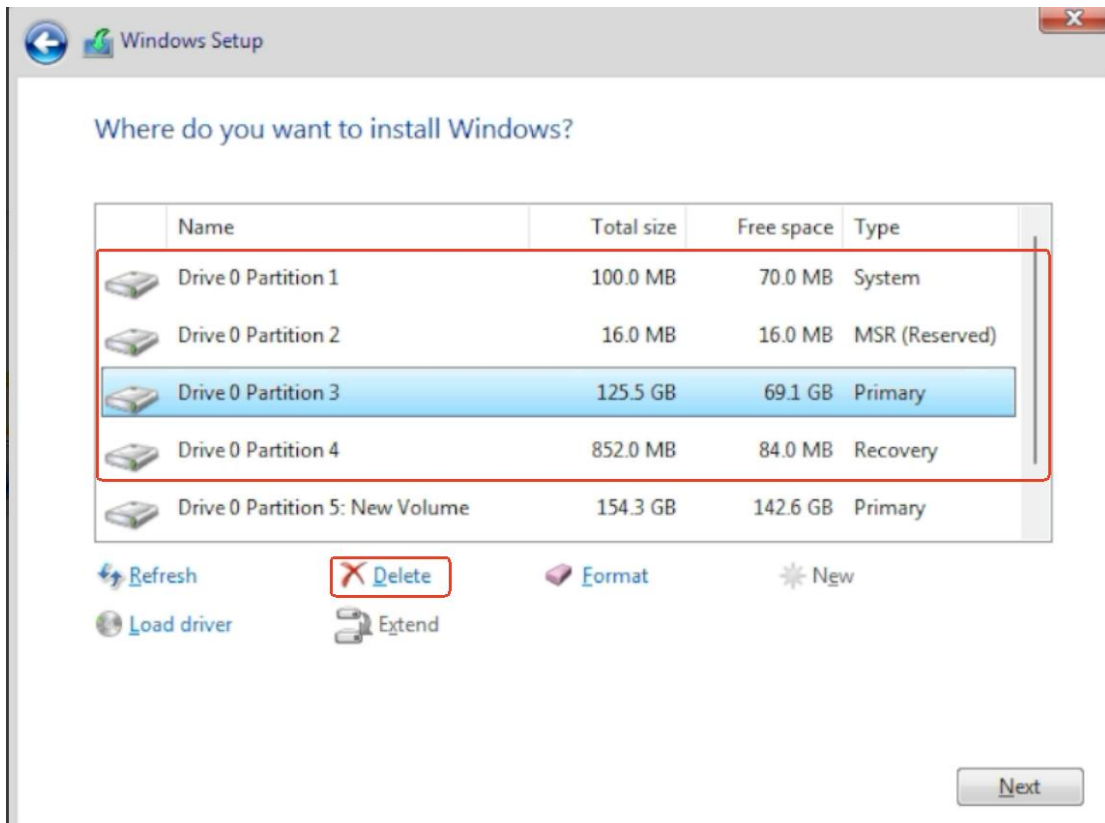

Check the box to agree and click Next.

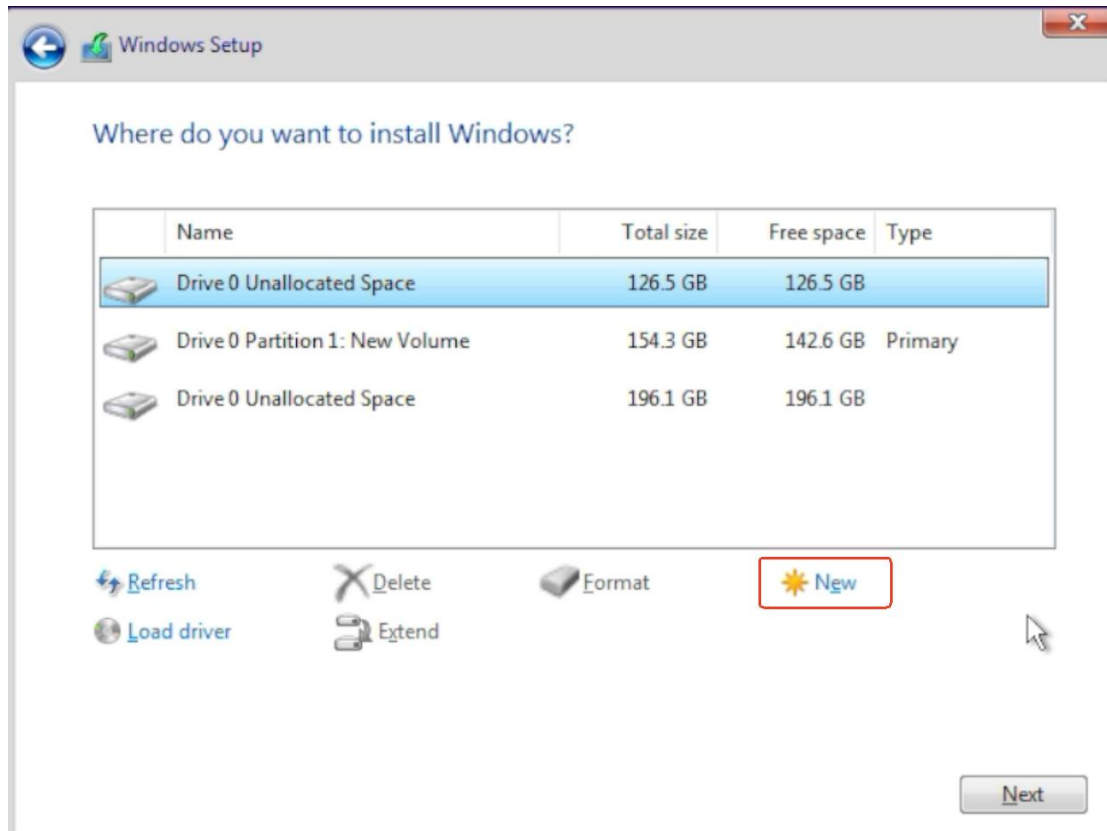D.Click Custom: Install Windows only (advanced).

E.To delete existing system data on the hard disk, select the hard disk partitions in the figure below and click Delete.
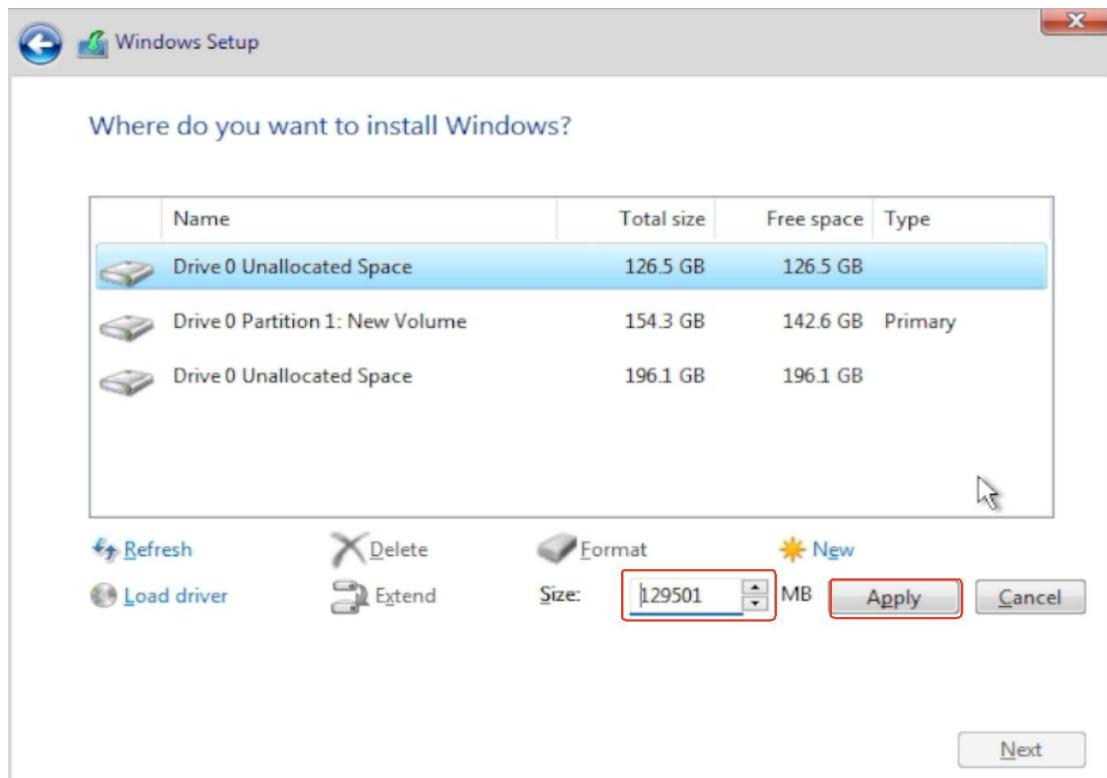
After deleting the existing system data, click New to create a new partition, as shown in the figure below.
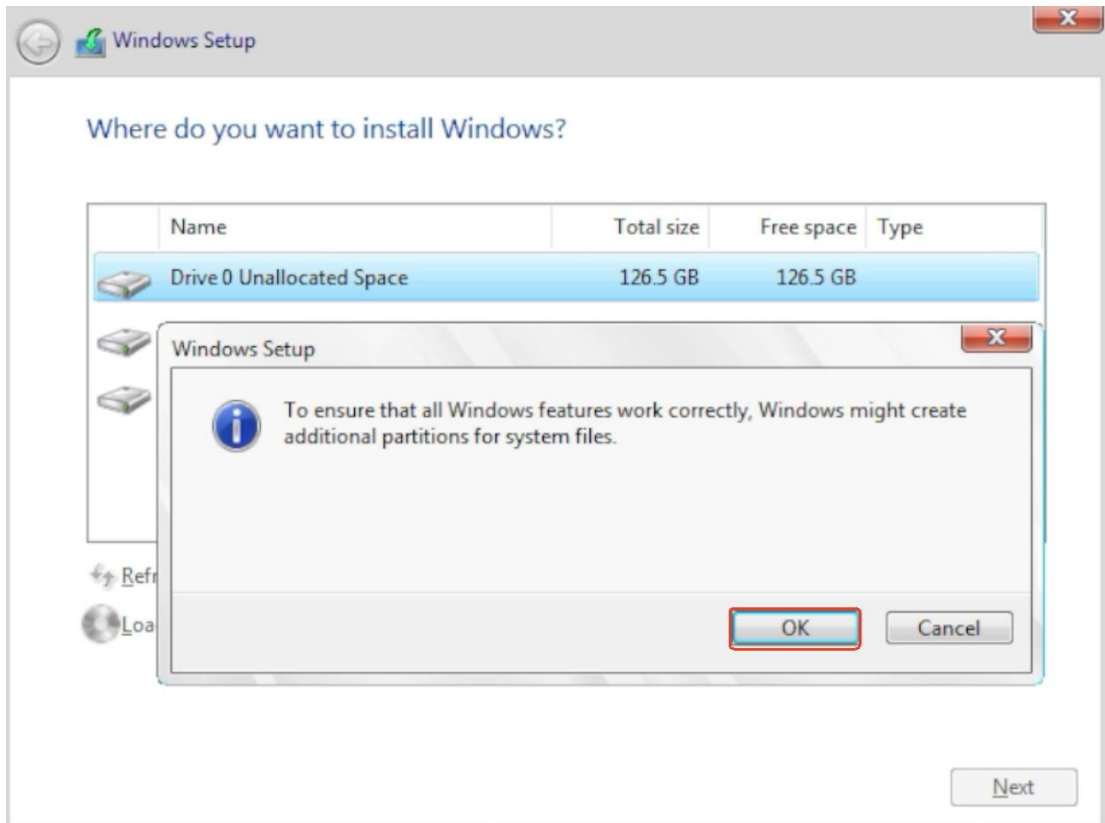

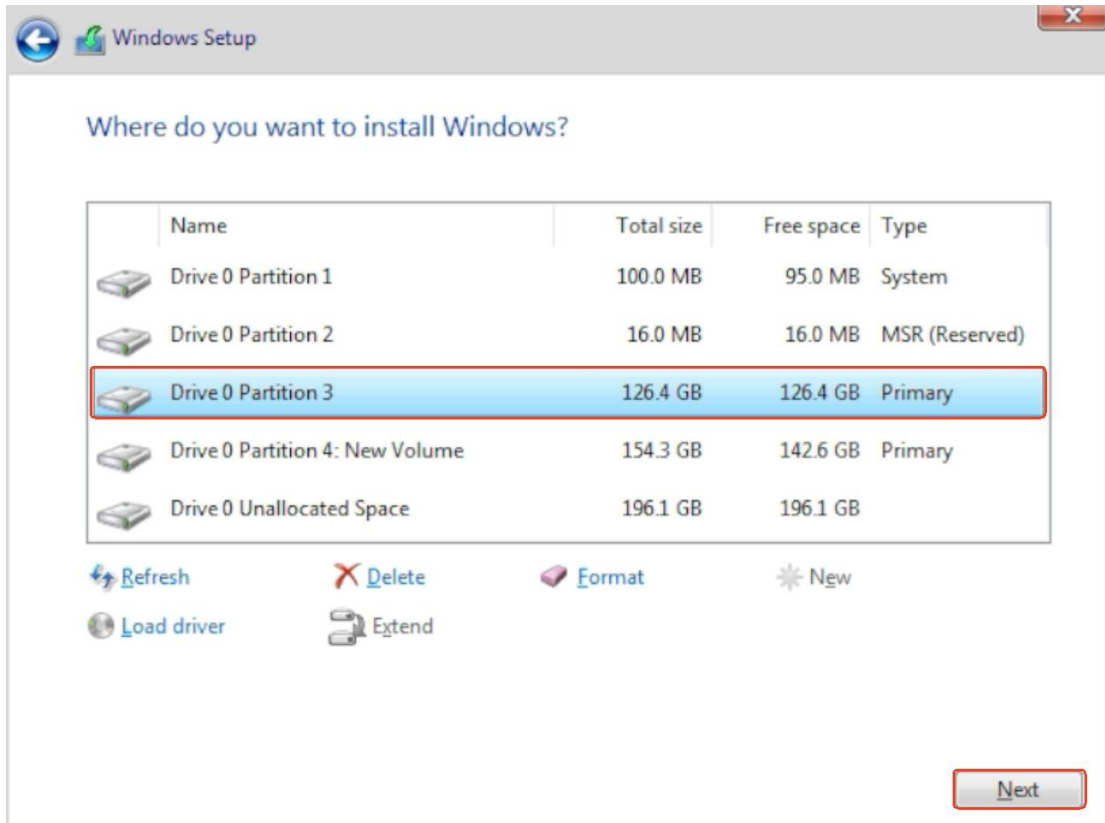Partition, enter the hard disk size, and click Apply.
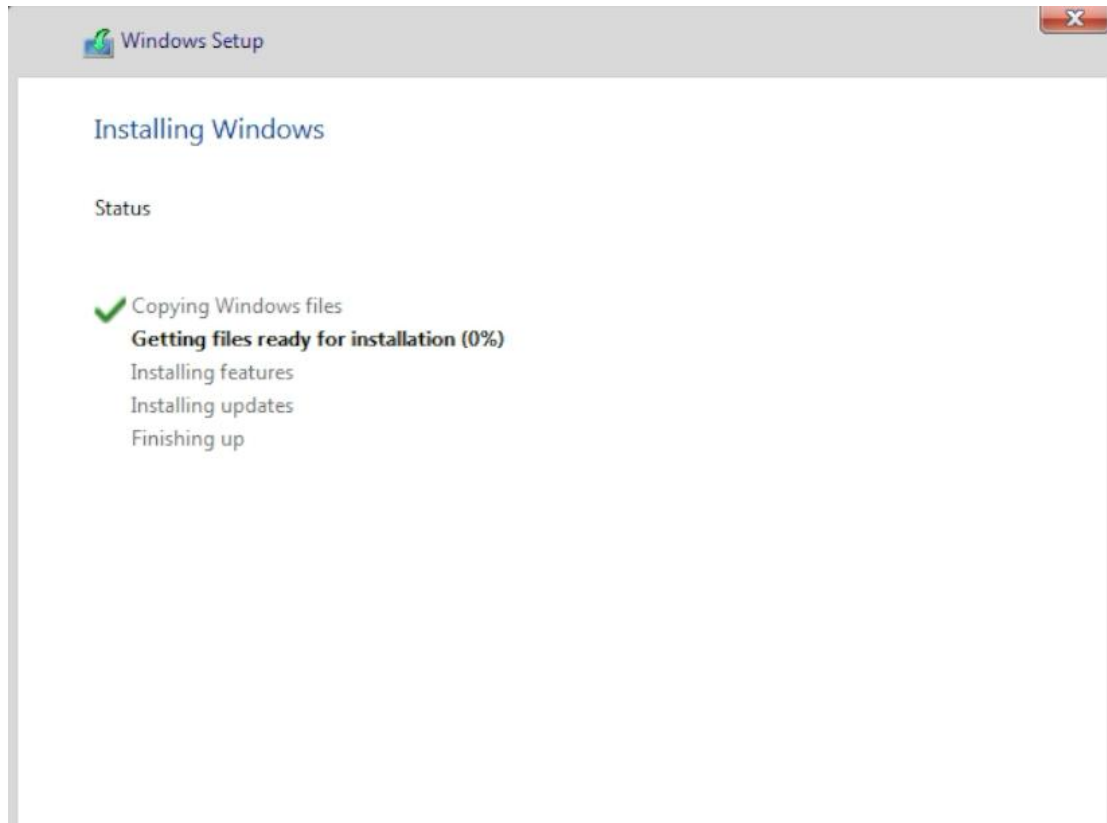
Continue clicking OK:

Select the primary partition of the hard disk in the figure below and click Next.
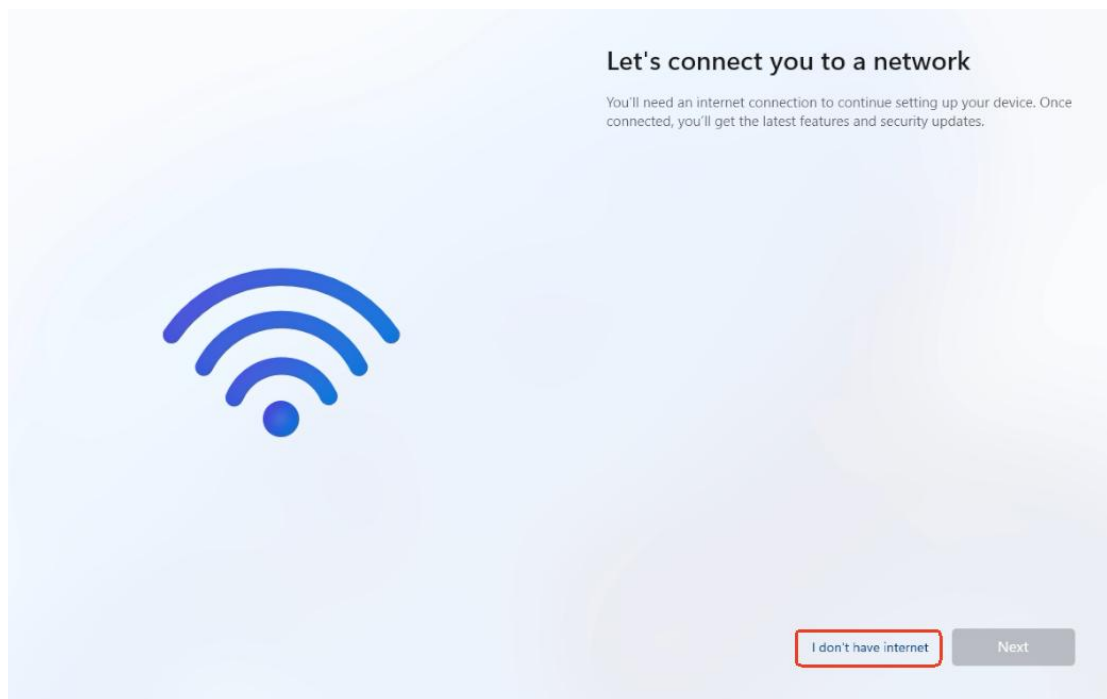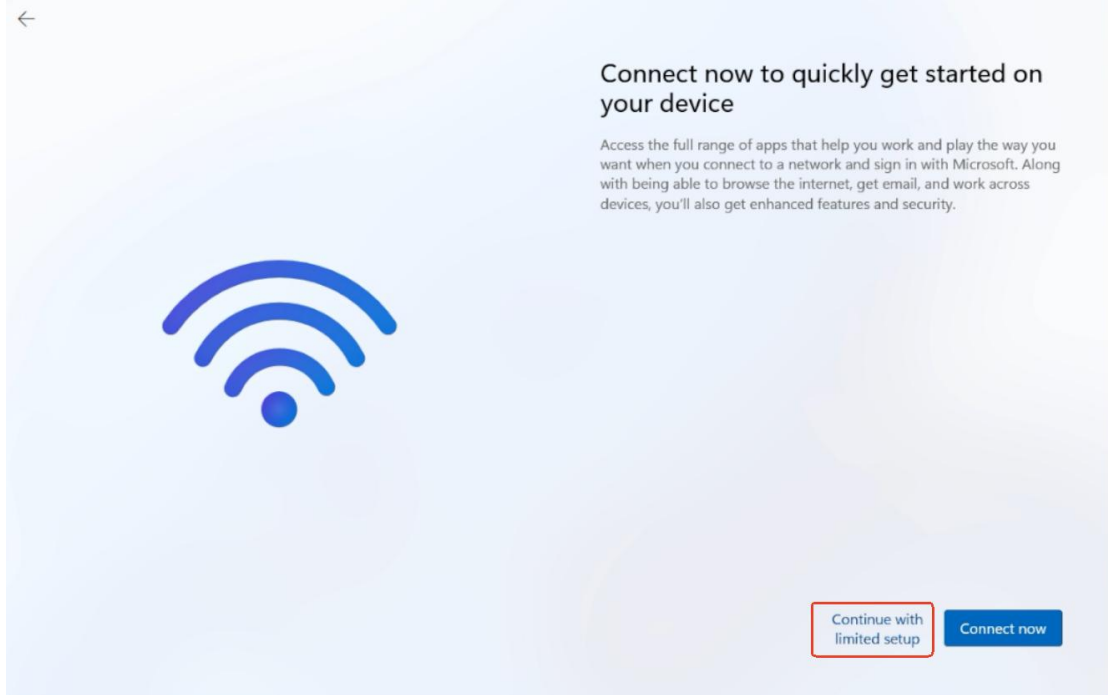
F.During the system installation, a restart will occur, please wait.
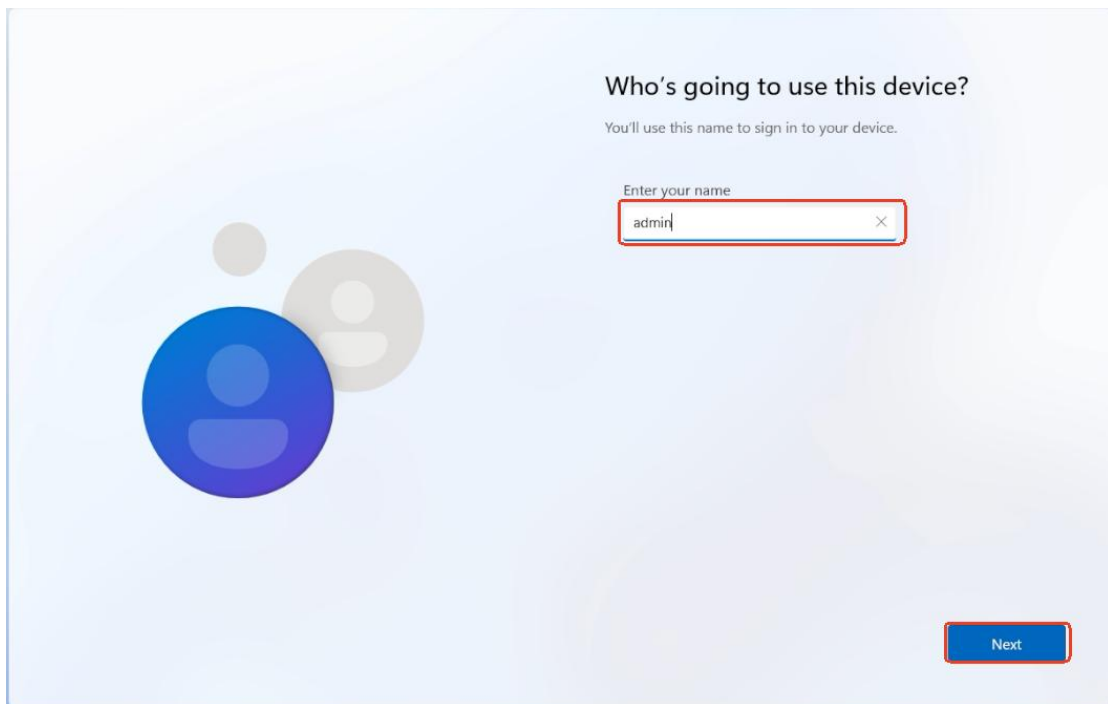

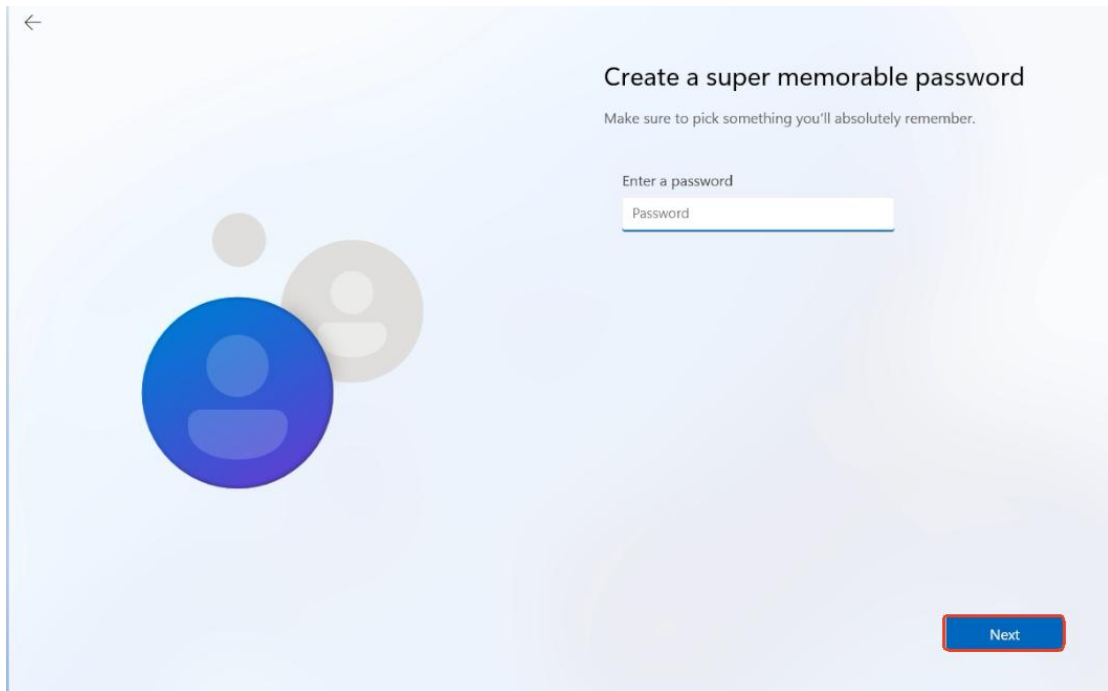G.Then click I don't have internet and Continue with limited setup to skip the network connection.
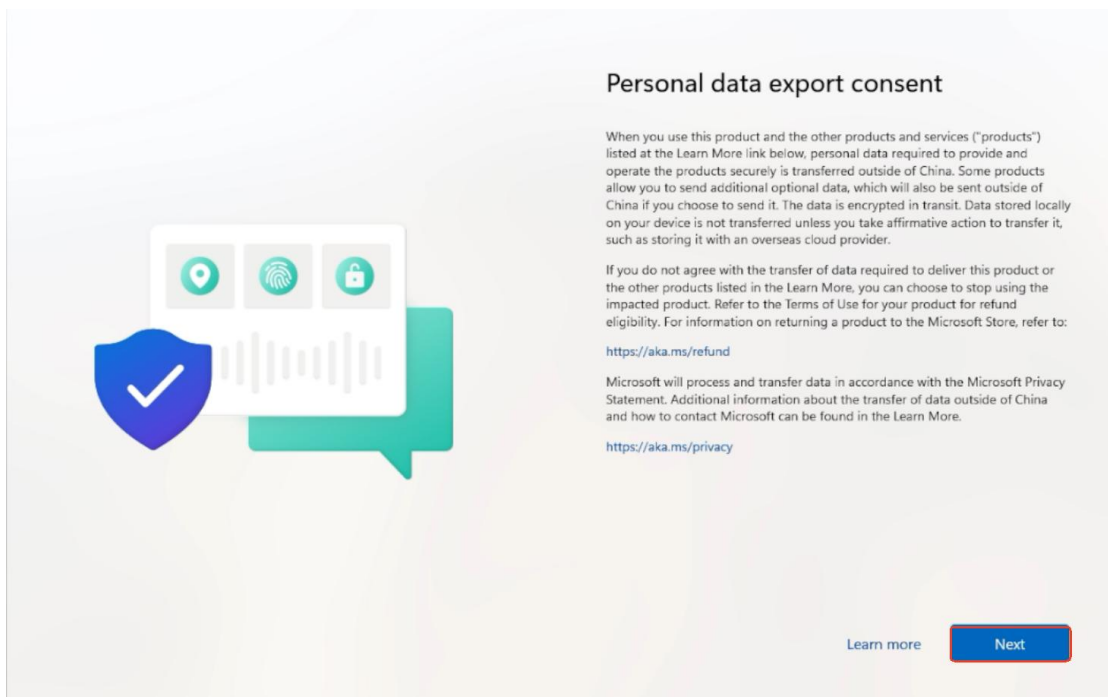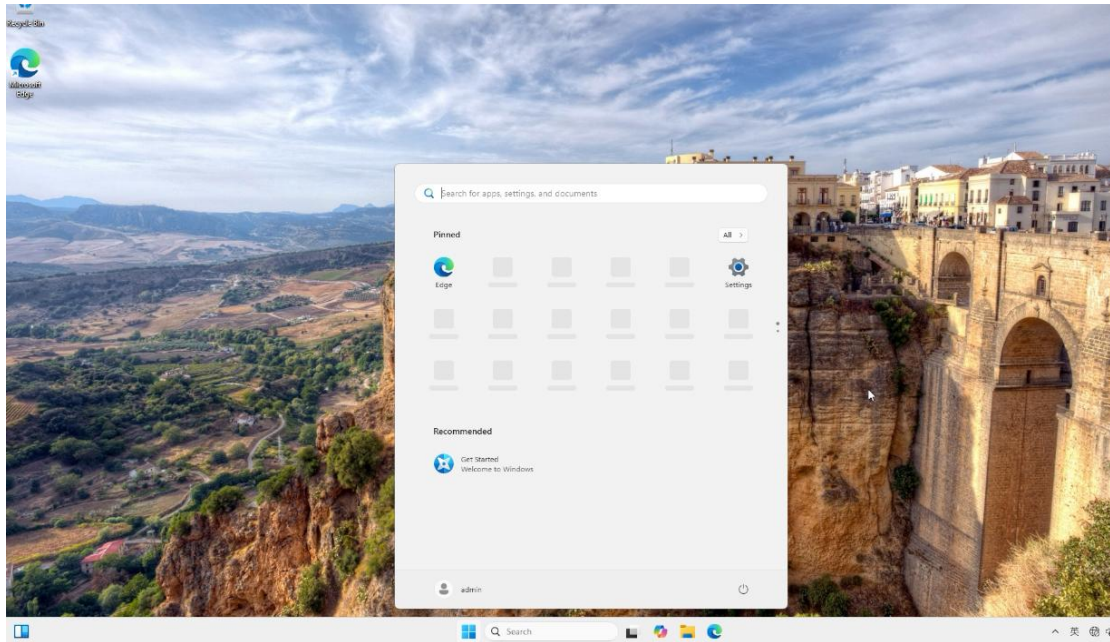
Enter the user name as admin and click Next.

Do not set a password and click Next.

H. Click Next and wait for a while.

2. Install the driver

2.1. Download and copy the driver

Reference URL for driver packages, tools, and other information:
http://www.orangepi.cn/html/hardWare/computerAndMicrocontrollers/service-and-support/Orange-Pi-6-Plus.html

Select the "BIOS" icon on the official website to download driver-related information.

Use a USB flash drive to copy the driver and its tools to the Windows 11-Arm64 system.

2.2. Install the driver

Note: Currently, driver installation is only supported in test mode.
A.Enable test mode: Run the terminal as an administrator and enter the command "bcdedit /set testsigning on", then restart the Windows 11-Arm64 system.

B.Install the Windos11-Arm64 driver and run the terminal as an administrator.

C.Execute the driver.bat script. During the installation process, a pop-up window will appear, as shown below. Continue clicking Install.
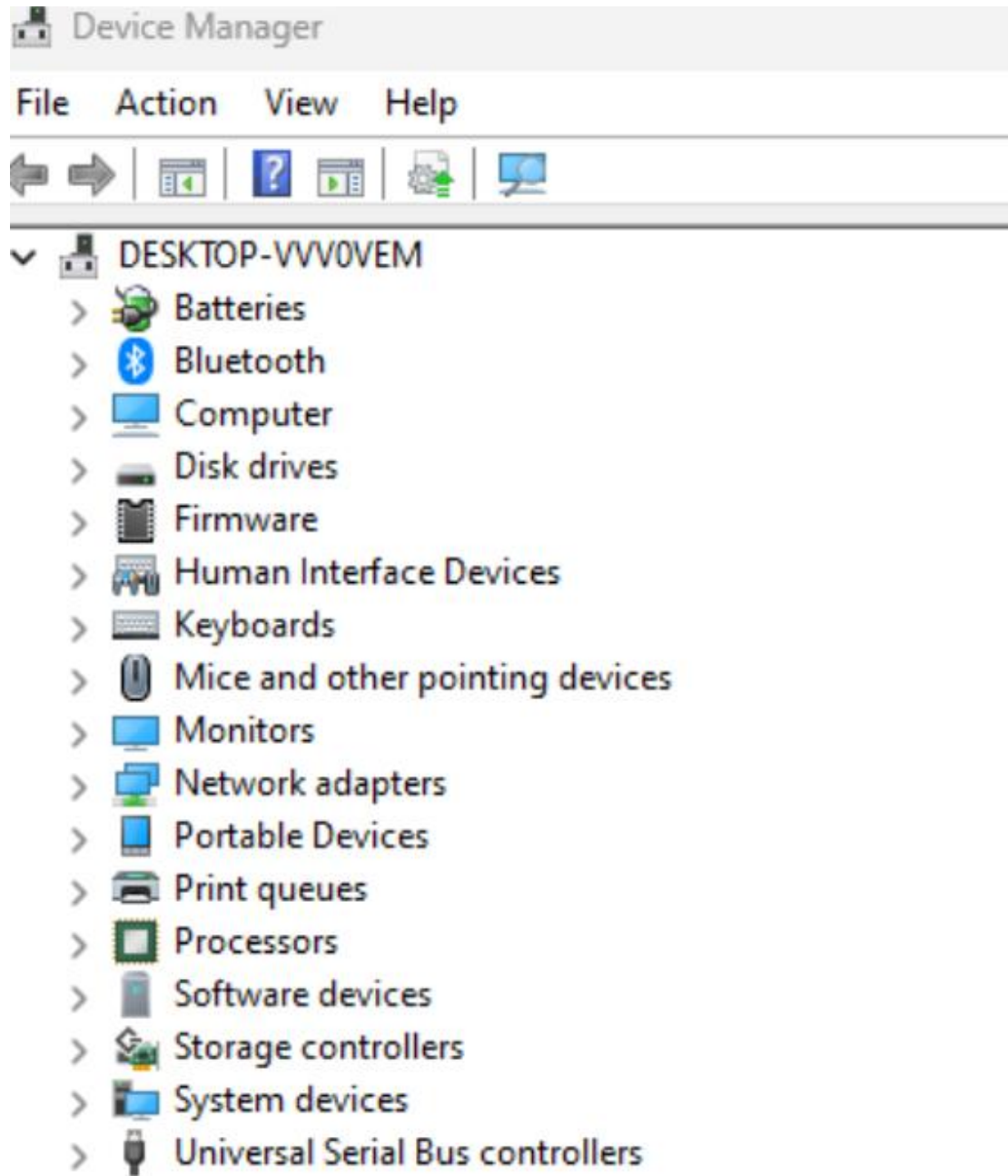If this pop-up window appears again, repeat the above steps.

After executing the script, the development board will be restarted, and you will eventually see the device manager. There will be no yellow exclamation mark device, as shown below:

Device Manager

File   Action   View   Help

∨ 🖥 DESKTOP-VVV0VEM
   > 🔋 Batteries
   > 🅱 Bluetooth
   > 🖥 Computer
   > 💾 Disk drives
   > 📶 Firmware
   > 🎮 Human Interface Devices
   > ⌨ Keyboards
   > 🖱 Mice and other pointing devices
   > 🖥 Monitors
   > 🖥 Network adapters
   > 📱 Portable Devices
   > 🖨 Print queues
   > 🖳 Processors
   > 📇 Software devices
   > 🖳 Storage controllers
   > 🖥 System devices
   > 🔌 Universal Serial Bus controllers

3. Appendix

3.1 Windows 11-Arm64 Manual Update History

Version	date	Update Notes
v1.0	2025-10-15	Initial version