Advantech AE Technical Share Document

Date	2020 / 11 / 03	Release Note	□ Internal ■ External
Category	■FAQ　　□SOP	Related OS	Raspberry Pi OS
Abstract	FAQ_How to solve Pi 4 4GB/8GB requires new software?		
Keyword	Pi 4 4GB / Pi 4 8GB / UNO-220		
Related Product	UNO-220		

■ **Problem Description:**

When user install AdvRapbian OS 20190930 with Raspberry Pi 4 4GB/8GB, user may encounter the problem of Pi 4 mainboard requires newer software, as shown below
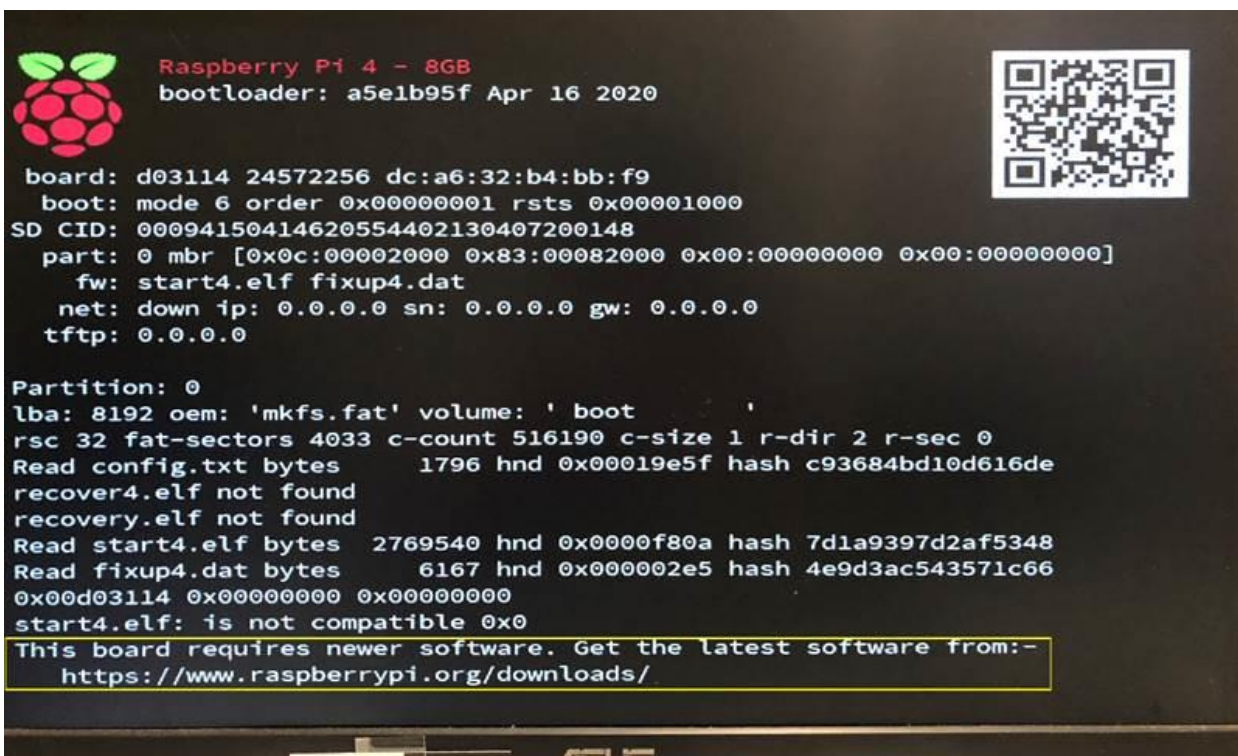
- **Brief Solution:**

  User can download official Raspberry Pi OS via this link:
  https://www.raspberrypi.org/downloads/raspberry-pi-os/

  Alternatively, user can use Raspberry Pi Imager to install Raspberry Pi OS to an SD card ready to use with your Raspberry Pi.
  Raspberry Pi Imager download link: https://www.raspberrypi.org/downloads/

  When UNO-220 boot with official Raspberry Pi OS, they can install driver by following the steps below:

  ```
  $ chmod 777 /etc/apt/sources.list
  ```

  Append the following in /etc/apt/sources.list on your Pi 4.
  ```
  deb [trusted=yes] https://advantechralph.github.io/uno-220/dpkg/ /
  ```

  Run apt-get update
  ```
  $ sudo apt-get update
  ```

  Install packages.
  ```
  $ sudo apt-get install uno220config uno220rtc uno220gpio uno220uart
  ```

  Reboot your Pi 4 and test IO.
  ```
  $ sudo systemctl reboot
  ```

  You could get more information from github: https://advantechralph.github.io/uno-220/