

Advantech AE Technical Share Document

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Category	<input type="checkbox"/> FAQ <input checked="" type="checkbox"/> SOP	Related OS	N/A
Abstract	APAX-5580, How to install Linux driver for APAX-5402L?		
Keyword	Linux, Driver, APAX-IO		
Related Product	APAX-5580, APAX-5402L		

■ Problem Description:

This document shows how to install Linux driver for APAX-5402L.

■ **Answer:**

The driver of APAX-5402L can support Linux OS. The driver packets are on the support portal.

http://support.advantech.com/Support/DownloadSRDetail_New.aspx?SR_ID=1-10YRSVF&Doc_Source=Download

Actually, every installing packet includes very detail installation guide. Here we still take Ubuntu for example.

1. Install the Linux OS version/kernel we claim
2. Copy "advantech" folder from the folder with your target Linux version into your USB flash drive
3. Plug the USB flash drive in target Linux platform
4. In linux system, copy "advantech" folder from the USB flash drive to user's Home folder
5. Open a terminal console and use "uname -a" to double confirm OS and kernel version.
6. cd Advantech
7. su (for Debian); \$ sudo su (for Ubuntu)
8. chmod a+x adv_install.sh
9. ./adv_install.sh
10. OK, reboot the system.

```
root@owen-APAX-S580: /home/owen/Desktop/Ubuntu-14.04.5-amd64/Kernel-4.4.0-31/advantech
owen@owen-APAX-S580:~$ ls
Desktop  Downloads  Music      Public     Videos
Documents  examples.desktop  Pictures  Templates
owen@owen-APAX-S580:~$ cd Desktop/
owen@owen-APAX-S580:~/Desktop$ ls
owen@owen-APAX-S580:~/Desktop$ cd Desktop/
owen@owen-APAX-S580:~/Desktop$ ls
gnome-screenshot.desktop  gnome-terminal.desktop  Ubuntu-14.04.5-amd64
owen@owen-APAX-S580:~/Desktop$ cd Ubuntu-14.04.5-amd64/
owen@owen-APAX-S580:~/Desktop/Ubuntu-14.04.5-amd64$ ls
Kernel-4.4.0-31  Kernel-4.4.0-83
owen@owen-APAX-S580:~/Desktop/Ubuntu-14.04.5-amd64$ uname -a
Linux owen-APAX-S580 4.4.0-31-generic #50-14.04.1-Ubuntu SMP Wed Jul 13 01:07:32
UTC 2016 x86_64 x86_64 x86_64/Linux
owen@owen-APAX-S580:~/Desktop/Ubuntu-14.04.5-amd64$ cd Kernel-4.4.0-31/
owen@owen-APAX-S580:~/Desktop/Ubuntu-14.04.5-amd64/Kernel-4.4.0-31$ ls
advantech
owen@owen-APAX-S580:~/Desktop/Ubuntu-14.04.5-amd64/Kernel-4.4.0-31$ cd advantech
/
owen@owen-APAX-S580:~/Desktop/Ubuntu-14.04.5-amd64/Kernel-4.4.0-31/advantech$ ls
adv_install.sh  etheriobus  include  readme.txt
adv_uninstall.sh  examples  lib
owen@owen-APAX-S580:~/Desktop/Ubuntu-14.04.5-amd64/Kernel-4.4.0-31/advantech$ sudo
su
[sudo] password for owen:
root@owen-APAX-S580: /home/owen/Desktop/Ubuntu-14.04.5-amd64/Kernel-4.4.0-31/advantech#
ech$ chmod a+x adv_install.sh
root@owen-APAX-S580: /home/owen/Desktop/Ubuntu-14.04.5-amd64/Kernel-4.4.0-31/advantech#
ech$ ls
adv_install.sh  adv_uninstall.sh  etheriobus  examples  include  lib  readme.txt
root@owen-APAX-S580: /home/owen/Desktop/Ubuntu-14.04.5-amd64/Kernel-4.4.0-31/advantech#
ech$ ./adv_install.sh
root@owen-APAX-S580: /home/owen/Desktop/Ubuntu-14.04.5-amd64/Kernel-4.4.0-31/advantech#
```