

Advantech AE Technical Sharing Documentation

Date	2018/04/20	SR#	1-3613123492
Category	■FAQ □ SOP	Related OS	Ubuntu 14.04
Abstract	How to check PCM-24D2R2-BE device in Ubuntu 14.04		
Keyword	Ubuntu 14.04, USB signal,		
Related Product	PCM-24D2R2-BE, PCM-24D2R2-AE		

■ Problem Description:

Because of PCM-24D2R2-**A**E use the different signal source from PCM-24D2R2-**B**E.
PCM-24D2R2-**B**E use the USB signal for HW design.

■ Problem Analysis:

PCM-24D2R2-BE Linux driver has been installed in Linux Kernel 3.1.
Confirm the Linux kernel version newer than Kernel 3.1 and user could just insert PCM-24D2R2-BE to the device to use.

■ **Brief Solution - Step by Step:**

Check in the dev folder for ttyUSB0 and ttyUSB1.
Or key the command in dev folder: `dmesg | grep ttyUSB`

4.4.0-31-generic
root@ubuntu:/home/adv# uname -a
Linux ubuntu 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 GNU/Linux
root@ubuntu:/home/adv# cd /dev
root@ubuntu:/dev# ls

autofs	dri	l2c-3	loop5	pps1	ram14	sda1	ttty1	ttty23	ttty37	ttty50	ttty7	ttty82	ttty85	vcs1	vga_arbiter
crash	acryptfs	l2c-4	loop6	pps2	ram15	sda2	ttty10	ttty24	ttty38	ttty51	ttty8	ttty820	ttty86	vc12	vga_arbiter
fb	fb0	l2c-5	loop7	psaux	ram2	sda5	ttty11	ttty25	ttty39	ttty52	ttty9	ttty821	ttty87	vc13	vhost-net
btmfs-control	fd	l2c-6	loop8	ptmx	ram3	sda1	ttty12	ttty26	ttty4	ttty53	ttty80	ttty822	ttty88	vc14	watchdog
cdrom	full	l2c-7	loop9	ptp0	ram4	sda	ttty13	ttty27	ttty40	ttty54	ttty81	ttty823	ttty89	vc15	watchdog
cpu	fuse	l2c-8	loop10	ptp1	ram5	sda1	ttty14	ttty28	ttty41	ttty55	ttty82	ttty824	ttty90	vc16	watchdog
console	hidraw0	l2c-9	loop11	ptp2	ram6	sda	ttty15	ttty29	ttty42	ttty56	ttty83	ttty825	ttty91	vc17	zero
core	hidraw1	l2c-10	loop12	ptp3	ram7	snapshot	ttty16	ttty3	ttty43	ttty57	ttty84	ttty826	ttty92	vc18	
	hidraw2	l2c-11	loop13	ptp4	ram8	sda	ttty17	ttty30	ttty44	ttty58	ttty85	ttty827	ttty93	vc19	
	hidraw3	l2c-12	loop14	ptp5	ram9	sda	ttty18	ttty31	ttty45	ttty59	ttty86	ttty828	ttty94	vc20	
cpu_dma_latency	hpet	l2c-13	loop15	ptp6	ram10	random	ttty19	ttty32	ttty46	ttty6	ttty87	ttty829	ttty95	vc21	
cpu	hwrng	l2c-14	loop16	ptp7	ram11	rkill	ttty2	ttty33	ttty47	ttty60	ttty88	ttty830	ttty96	vc22	
da-0	l2c-0	l2c-15	loop17	ptp8	ram12	rtc	ttty20	ttty34	ttty48	ttty61	ttty89	ttty831	ttty97	vc23	
da-1	l2c-1	l2c-16	loop18	ptp9	ram13	rtc0	ttty21	ttty35	ttty49	ttty62	ttty90	ttty832	ttty98	vc24	
	l2c-2	l2c-17	loop19	ptp10	ram14	sda	ttty22	ttty36	ttty5	ttty63	ttty91	ttty833	ttty99	vc25	

root@ubuntu:/dev#

advantech@advantech-UNO-2483G-474AE:/dev
advantech@advantech-UNO-2483G-474AE:/dev\$ dmesg | grep ttyUSB
[11.087086] usb 2-7: FTDI USB Serial Device converter now attached to ttyUSB0
[11.087409] usb 2-7: FTDI USB Serial Device converter now attached to ttyUSB1
advantech@advantech-UNO-2483G-474AE:/dev\$

■ **Contact Window and File Link:**

If you have any questions, please contact Jerry.Cheng@advantech.com.tw