

LP112 - Bug #344

NPU

06/15/2023 01:53 PM -

Status:	Closed	Start date:	06/14/2023
Priority:	High	Due date:	
Assignee:	Linx	% Done:	0%
Category:	S.W	Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
:	LZ112	:	Ubuntu
CPU:	RK3399Pro	:	Linux LPA3399Pro 4.4.194
:		APP:	
/:	-	:	
:	01	:	
/:	01	:	
:	lz112_3399pro_ubuntu18.04_v1.0_20230612_1704	EMMC:	

Description

terminalps -elf |grep npu*
npu
root@LPA3399Pro:~# ps -elf|grep npu*
0 S root 3500 3378 0 80 0 - 1115 pipe_w 02:38 pts/0 00:00:00 grep --color=auto npu*
root@LPA3399Pro:~# ps -elf|grep npu*
0 S root 3012 1 0 80 0 - 23761 futex_ 03:53 ? 00:00:05 /usr/bin/npu_transfer_proxy
0 S root 7593 3335 0 80 0 - 1115 pipe_w 05:37 pts/1 00:00:00 grep --color=auto npu*
root@LPA3399Pro:~#
rc.local
COMPATIBLE=\$(cat /proc/device-tree/compatible | cut -d',' -f3)
if [\$COMPATIBLE = "rk3399pro"]
then
/usr/bin/npu-image.sh
sleep 1
/usr/bin/npu_transfer_proxy &
fi

History

- #1 - 07/03/2023 10:19 AM -
- File clipboard-202307031016-qu3vu.png added
 - Status changed from New to Closed
- LZ112Ubuntu18.04
03-image/rk3399pro-linux/LZ112/lz112_3399pro_ubuntu18.04_v1.0_20230627_1033
NPU
1NPU
NPU

```
avg time: 0.21 ms, fps = 101.10
root@LPA3399Pro:/home/neardi/demos/mobilenet_v1_demo# ps -elf|grep npu tran*
0 S root      3257      1  1 80   0 - 83156 futex_ 02:12 ?      00:00:02 /usr/bin/npu_transfer_proxy
0 S root      4034    3442  0 80   0 - 1115 pipe_w 02:14 pts/1    00:00:00 grep --color=auto npu_tran*
root@LPA3399Pro:/home/neardi/demos/mobilenet_v1_demo# ./run.sh
sync_mode:
D RKNNAPI: =====
D RKNNAPI: RKNN VERSION:
D RKNNAPI:   API: 1.7.0 (7880361 build: 2021-08-05 11:25:07)
D RKNNAPI:   DRV: 1.7.3 (942a8f6 build: 2023-01-04 09:37:42)
D RKNNAPI: =====

Without rknn_inputs_set:
D RKNNAPI: __can_use_fixed_point: use_fixed_point = 1.

avg time: 8.58 ms, fps = 116.59
Include rknn_inputs_set and rknn_outputs_get:
avg time: 10.73 ms, fps = 93.18
async_mode:
D RKNNAPI: =====
D RKNNAPI: RKNN VERSION:
D RKNNAPI:   API: 1.7.0 (7880361 build: 2021-08-05 11:25:07)
D RKNNAPI:   DRV: 1.7.3 (942a8f6 build: 2023-01-04 09:37:42)
D RKNNAPI: =====

Without rknn_inputs_set:
D RKNNAPI: __can_use_fixed_point: use_fixed_point = 1.

avg time: 4.32 ms, fps = 231.66
Include rknn_inputs_set and rknn_outputs_get:
avg time: 6.04 ms, fps = 165.57
root@LPA3399Pro:/home/neardi/demos/mobilenet_v1_demo#
```

Files

clipboard-202306151340-sb2qx.png	5.16 KB	06/15/2023	🔍
clipboard-202306151342-xdkjq.png	8.44 KB	06/15/2023	🔍
clipboard-202306151350-pdrzp.png	8.28 KB	06/15/2023	🔍
clipboard-202307031016-qu3vu.png	47.1 KB	07/03/2023	🔍