

Rockchip

USB Initialization Log Analysis

发布版本：1.1

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日期：2019-01-09

文件密级：公开资料

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前言

概述

本文档主要提供Rockchip SDK平台Kernel 3.10和Kernel 4.4 USB子系统初始化时相关的日志分析。

读者对象

本文档（本指南）主要适用于以下工程师：

技术支持工程师 软件工程师 硬件工程师

修订记录

日期	版本	作者	修改说明
2017-12-12	V1.0	王明成	初始版本
2019-01-09	V1.1	吴良峰	使用markdownlint修订格式

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1 Linux USB子系统简介

在Linux系统中，提供了主机侧和设备侧视角的USB驱动框架及通用驱动程序。

- 主机侧分为USB Core、HOST控制器驱动，HUB驱动和各设备类驱动。
- 设备侧分为Gadget框架、Devices控制器驱动和各设备类Function驱动。

2 Rockchip SoC USB控制器列表

芯片\控制器	EHCI&OHCI	DWC2	DWC3
RV1108	Y	Y	N
RK312X	Y	Y	N
RK3288	Y	Y	N
RK322X	Y	Y	N
RK322XH	Y	Y	Y
RK3328	Y	Y	Y
RK3366	Y	Y	Y
RK3368	Y	Y	N
RK3399	Y	N	Y

3 Kernel 3.10

3.1 适用芯片

本章节介绍Linux Kernel 3.10初始化日志，主要适用于RV1108、RK312X、RK3288、RK322X、RK322XH、RK3328、RK3368等有运行Kernel 3.10 SDK的平台。

3.2 主机侧日志

3.2.1 USB CORE

```
1
2 01 [    0.959817] usbcore: registered new interface driver usbfs
3 02 [    0.959890] usbcore: registered new interface driver hub
4 03 [    0.960070] usbcore: registered new device driver usb
5 ...
6
```

以上是Linux Kernel 3.10启动阶段USB模块最早输出的3句log。01行表示注册USB文件系统，系统正常启动后，对应生成/sys/bus/usb/目录；02行表示成功注册USB HUB驱动；03行表明注册USB通用设备驱动，即usb_generic_driver。通常USB设备都是以设备的身份先与usb_generic_driver匹配，成功之后，会分裂出接口，当对接口调用device_add()后，会引起接口和接口驱动的匹配。

3.2.2 设备类驱动

```
1
2 01 [    1.234947] usbcore: registered new interface driver catc
3 02 [    1.235015] usbcore: registered new interface driver kaweth
4 03 [    1.235109] usbcore: registered new interface driver pegasus
5 04 [    1.235180] usbcore: registered new interface driver rtl8150
6 05 [    1.235246] usbcore: registered new interface driver r8152
7 06 [    1.235379] usbcore: registered new interface driver hso
8 07 [    1.235451] usbcore: registered new interface driver asix
9 08 [    1.235515] usbcore: registered new interface driver ax88179_178a
10 09 [    1.235586] usbcore: registered new interface driver cdc_ether
11 10 [    1.235656] usbcore: registered new interface driver cdc_eem
12 11 [    1.235727] usbcore: registered new interface driver dm9601
13 12 [    1.235793] usbcore: registered new interface driver dm9620
14 13 [    1.235867] usbcore: registered new interface driver smsc75xx
15 14 [    1.235996] usbcore: registered new interface driver smsc95xx
16 15 [    1.236065] usbcore: registered new interface driver gl620a
17 16 [    1.236132] usbcore: registered new interface driver net1080
18 17 [    1.236197] usbcore: registered new interface driver plusb
19 18 [    1.236266] usbcore: registered new interface driver rndis_host
20 ...
21
```

上面为主机侧设备类驱动，即各个USB设备HOST端的驱动程序，可通过menuconfig进行配置。

```

1
2 Location:
3 |      -> Device Drivers
4 |      -> USB support
5 |      *** USB Device Class drivers ***
6 |      < > xxx
7 |      < > xxx
8

```

3.2.3 Host控制器驱动

3.2.3.1 EHCI

```

1
2 01 [ 1.243691] ehci_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver
3 02 [ 1.243722] ehci-platform: EHCI generic platform driver
4 03 [ 1.244307] ehci-platform ff5c0000.usb: EHCI Host Controller
5 04 [ 1.244358] ehci-platform ff5c0000.usb: new USB bus registered, assigned bus
   number 3
6 05 [ 1.244875] ehci-platform ff5c0000.usb: irq 48, io mem 0xff5c0000
7 06 [ 1.252401] ehci-platform ff5c0000.usb: USB 2.0 started, EHCI 1.00
8 07 [ 1.252526] usb usb3: New USB device found, idVendor=1d6b, idProduct=0002
9 08 [ 1.252561] usb usb3: New USB device strings: Mfr=3, Product=2, SerialNumber=1
10 09 [ 1.252593] usb usb3: Product: EHCI Host Controller
11 10 [ 1.252623] usb usb3: Manufacturer: Linux 3.10.104 ehci_hcd
12 11 [ 1.252654] usb usb3: SerialNumber: ff5c0000.usb
13 12 [ 1.253238] hub 3-0:1.0: USB hub found
14 13 [ 1.253284] hub 3-0:1.0: 1 port detected
15 ...
16

```

上述为EHCI控制器初始化完整打印，从log可以获取到如下信息：

- 控制器基本信息，包括中断号、设备虚拟地址、控制器版本等信息。
- EHCI控制器被枚举为一个USB2.0 Root HUB (hub 3-0:1.0)，同时也可以看出该HUB被分配的BUS Number (3)。

3.2.3.2 OHCI

```

1
2 01 [ 1.253939] ohci_hcd: USB 1.1 'Open' Host Controller (OHCI) Driver
3 02 [ 1.253970] ohci-platform: OHCI generic platform driver
4 03 [ 1.254316] ohci-platform ff5d0000.usb: Generic Platform OHCI controller
5 04 [ 1.254366] ohci-platform ff5d0000.usb: new USB bus registered, assigned bus
   number 4
6 05 [ 1.254456] ohci-platform ff5d0000.usb: irq 49, io mem 0xff5d0000
7 06 [ 1.308870] usb usb4: New USB device found, idVendor=1d6b, idProduct=0001
8 07 [ 1.308909] usb usb4: New USB device strings: Mfr=3, Product=2, SerialNumber=1
9 08 [ 1.308942] usb usb4: Product: Generic Platform OHCI controller
10 09 [ 1.308973] usb usb4: Manufacturer: Linux 3.10.104 ohci_hcd
11 10 [ 1.309004] usb usb4: SerialNumber: ff5d0000.usb

```

```

12 11 [    1.309601] hub 4-0:1.0: USB hub found
13 12 [    1.309648] hub 4-0:1.0: 1 port detected
14 ...
15

```

上述为OHCI控制器初始化完整打印，同EHCI，从log也可以获取到如下信息：

- 控制器基本信息，包括中断号、设备虚拟地址、控制器版本等信息。
- OHCI控制器被枚举为一个USB1.1 Root HUB (hub 4-0:1.0)，同时也可以看出该HUB被分配的BUS Number (4)。

3.2.3.3 DWC2 Host

```

1
2 01 [    1.313609] usb20_otg ff580000.usb: DWC OTG Controller
3 02 [    1.313660] usb20_otg ff580000.usb: new USB bus registered, assigned bus
  number 5
4 03 [    1.313719] usb20_otg ff580000.usb: irq 55, io mem 0x00000000
5 04 [    1.313833] usb usb5: New USB device found, idVendor=1d6b, idProduct=0002
6 05 [    1.313868] usb usb5: New USB device strings: Mfr=3, Product=2, SerialNumber=1
7 06 [    1.313900] usb usb5: Product: DWC OTG Controller
8 07 [    1.313931] usb usb5: Manufacturer: Linux 3.10.104 dwc_otg_hcd
9 08 [    1.313962] usb usb5: SerialNumber: ff580000.usb
10 09 [    1.314523] hub 5-0:1.0: USB hub found
11 10 [    1.314568] hub 5-0:1.0: 1 port detected
12 11 [    1.315013] usb20_host: version 3.10a 21-DEC-2012
13 ...
14

```

上述为DWC2 HOST控制器初始化完整打印，同其它Host控制器，从log也可以获取到如下信息：

- 控制器基本信息，包括中断号、设备虚拟地址、控制器版本（version 3.10a 21-DEC-2012）等信息。
- DWC2 HOST控制器被枚举为一个USB2.0 Root HUB (hub 5-0:1.0)，同时也可以看出该HUB被分配的BUS Number (5)。

3.2.3.4 DWC3 Host

```

1
2 01 [    1.240046] xhci-hcd xhci-hcd.0.auto: xHCI Host Controller
3 02 [    1.240104] xhci-hcd xhci-hcd.0.auto: new USB bus registered, assigned bus
  number 1
4 03 [    1.241268] xhci-hcd xhci-hcd.0.auto: irq 99, io mem 0xff600000
5 04 [    1.241409] usb usb1: New USB device found, idVendor=1d6b, idProduct=0002
6 05 [    1.241443] usb usb1: New USB device strings: Mfr=3, Product=2, SerialNumber=1
7 06 [    1.241477] usb usb1: Product: xHCI Host Controller
8 07 [    1.241508] usb usb1: Manufacturer: Linux 3.10.104 xhci-hcd
9 08 [    1.241539] usb usb1: SerialNumber: xhci-hcd.0.auto
10 09 [    1.242232] hub 1-0:1.0: USB hub found
11 10 [    1.242282] hub 1-0:1.0: 1 port detected
12 11 [    1.242570] xhci-hcd xhci-hcd.0.auto: xHCI Host Controller
13 12 [    1.242617] xhci-hcd xhci-hcd.0.auto: new USB bus registered, assigned bus
  number 2

```

```

14 13 [ 1.242734] usb usb2: New USB device found, idVendor=1d6b, idProduct=0003
15 14 [ 1.242771] usb usb2: New USB device strings: Mfr=3, Product=2, SerialNumber=1
16 15 [ 1.242803] usb usb2: Product: xHCI Host Controller
17 16 [ 1.242834] usb usb2: Manufacturer: Linux 3.10.104 xhci-hcd
18 17 [ 1.242865] usb usb2: SerialNumber: xhci-hcd.0.auto
19 18 [ 1.243408] hub 2-0:1.0: USB hub found
20 19 [ 1.243451] hub 2-0:1.0: 1 port detected
21 ...
22

```

DWC3 Host集成XHCI控制器，上述为XHCI控制器初始化完整打印，从log可以获取到如下信息：

- 控制器基本信息，包括中断号、控制器物理地址等信息。
- XHCI控制器分别被枚举为一个USB3.0 Root HUB (hub 1-0:1.0)和一个USB2.0 Root HUB (hub 2-0:1.0)，同时也可以看出两个HUB分别被分配到的BUS Number。

3.3 设备侧日志

目前，运行Kernel 3.10 SDK的Rockchip芯片上仅集成DWC2 IP，所以Devices控制器仅DWC2一个，内核使用dwc_otg_310驱动，位于drivers/usb/dwc_otg_310目录。

3.3.1 DWC2 Peripheral

```

1
2 01 [ 1.312160] usb20_otg: version 3.10a 21-DEC-2012
3 02 [ 1.312963] Core Release: 3.10a
4 03 [ 1.312992] Setting default values for core params
5 04 [ 1.313179] Using Buffer DMA mode
6 05 [ 1.313207] Periodic Transfer Interrupt Enhancement - disabled
7 06 [ 1.313233] Multiprocessor Interrupt Enhancement - disabled
8 07 [ 1.313262] OTG VER PARAM: 0, OTG VER FLAG: 0
9 08 [ 1.313288] ^^^^^^^^^^^^^^^^^^^^^^^^^^Device Mode
10 ...
11

```

上面为Devcies控制器初始化log，从log也可以得到一些控制器信息。

- 01-02行：控制器软件版本（version 3.10a 21-DEC-2012），IP版本：3.10a
- 控制器当前的工作模式和部分参数的配置。

3.3.2 DWC2 Peripheral枚举日志

```

1 01 [ 9.208851] [otg id chg] last id -1 current id 64
2 02 [ 9.208971] rk_battery_charger_detect_cb , battery_charger_detect 6
3 03 [ 9.308586] Using Buffer DMA mode
4 04 [ 9.308692] Periodic Transfer Interrupt Enhancement - disabled
5 05 [ 9.308710] Multiprocessor Interrupt Enhancement - disabled
6 06 [ 9.308729] OTG VER PARAM: 0, OTG VER FLAG: 0
7 07 [ 9.308745] ^^^^^^^^^^^^^^^^^^^^^^^^^^Device Mode
8 08 [ 9.308774] dwc_otg_hcd_resume, usb device mode
9 09 [ 9.409073] wc_otg_hcd_suspend, usb device mode

```

```

10 10 [ 9.799241] *****vbus detect*****
11 11 [ 9.801964] rk_battery_charger_detect_cb , battery_charger_detect 1
12 12 [ 9.924721] Using Buffer DMA mode
13 13 [ 9.924755] Periodic Transfer Interrupt Enhancement - disabled
14 14 [ 9.924772] Multiprocessor Interrupt Enhancement - disabled
15 15 [ 9.924790] OTG VER PARAM: 0, OTG VER FLAG: 0
16 16 [ 9.924807] ^^^^^^^^^^^^^^^^^^^^^^^^^^Device Mode
17 17 [ 9.924873] *****soft connect!!!*****
18 18 [ 10.038883] USB RESET
19 19 [ 10.129663] ndroid_work: sent uevent USB_STATE=CONNECTED
20 20 [ 10.133049] USB RESET
21 21 [ 10.256977] android_usb gadget: high-speed config #1: android
22 22 [ 10.257999] android_work: sent uevent USB_STATE=CONFIGURED
23 23 [ 10.297006] mtp_open
24 ...

```

上面log为DWC2 peripheral枚举的完整日志。

- 01行表示检测到USB ID变化，有USB线接入；
- 03-07为控制器重新初始化log；
- 10行表示检测到VBUS；
- 18—22行为USB枚举成功，并通过UEVENT事件通知Android层Gadget连接成功。

4 Kernel 4.4

4.1 适用芯片

本章节介绍Linux Kernel 4.4初始化日志，主要适用于RK312X、RK3288、RK322X、RK322XH、RK3328、RK3366、RK3368、RK3399等有运行Kernel 4.4 SDK的平台。

4.2 主机侧日志

4.2.1 USB CORE及设备类驱动

跟Linux Kernel 3.10相同，usbcore注册USB文件系统、注册USB HUB驱动，以及注册USB通用设备驱动，log同[Linux Kernel 3.10](#)。

设备类驱动亦同[Kernel 3.10](#)，log和配置方式也相同。

4.2.2 Host控制器驱动

4.2.3.1 EHCI

```

1 01 [ 0.869076] ehci_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver
2 02 [ 0.869099] ehci-pci: EHCI PCI platform driver
3 03 [ 0.869191] ehci-platform: EHCI generic platform driver
4 04 [ 0.873032] ehci-platform ff5c0000.usb: EHCI Host Controller
5 05 [ 0.873078] ehci-platform ff5c0000.usb: new USB bus registered, assigned bus
  number 2
6 06 [ 0.873322] ehci-platform ff5c0000.usb: irq 44, io mem 0xff5c0000

```

```

7 07 [ 0.883191] ehci-platform ff5c0000.usb: USB 2.0 started, EHCI 1.00
8 08 [ 0.883418] usb usb2: New USB device found, idVendor=1d6b, idProduct=0002
9 09 [ 0.883438] usb usb2: New USB device strings: Mfr=3, Product=2, SerialNumber=1
10 10 [ 0.883454] usb usb2: Product: EHCI Host Controller
11 11 [ 0.883469] usb usb2: Manufacturer: Linux 4.4.103 ehci_hcd
12 12 [ 0.883484] usb usb2: SerialNumber: ff5c0000.usb
13 13 [ 0.884226] hub 2-0:1.0: USB hub found
14 14 [ 0.884291] hub 2-0:1.0: 1 port detected
15 ...
16

```

上述为EHCI控制器初始化完整打印，从log也可以获取到如下信息：

- 控制器基本信息，包括中断号、设备虚拟地址、控制器驱动版本等信息。
- EHCI控制器被枚举为一个USB2.0 Root HUB (hub 2-0:1.0)，同时也可以看出该HUB被分配的BUS Number (2)。

4.2.3.2 OHCI

```

1
2 01 [ 0.884853] ohci_hcd: USB 1.1 'Open' Host Controller (OHCI) Driver
3 02 [ 0.884897] ohci-platform: OHCI generic platform driver
4 03 [ 0.885315] ohci-platform ff5d0000.usb: Generic Platform OHCI controller
5 04 [ 0.885352] ohci-platform ff5d0000.usb: new USB bus registered, assigned bus
  number 3
6 05 [ 0.885551] ohci-platform ff5d0000.usb: irq 45, io mem 0xff5d0000
7 06 [ 0.940734] usb usb3: New USB device found, idVendor=1d6b, idProduct=0001
8 07 [ 0.940763] usb usb3: New USB device strings: Mfr=3, Product=2, SerialNumber=1
9 08 [ 0.940783] usb usb3: Product: Generic Platform OHCI controller
10 09 [ 0.940800] usb usb3: Manufacturer: Linux 4.4.103 ohci_hcd
11 10 [ 0.940815] usb usb3: SerialNumber: ff5d0000.usb
12 11 [ 0.941546] hub 3-0:1.0: USB hub found
13 12 [ 0.941597] hub 3-0:1.0: 1 port detected
14 ...
15

```

上述为OHCI控制器初始化完整打印，同EHCI，从log也可以获取到如下信息：

- 控制器基本信息，包括中断号、设备虚拟地址、控制器驱动版本等信息。
- OHCI控制器被枚举为一个USB1.1 Root HUB (hub 3-0:1.0)，同时也可以看出该HUB被分配的BUS Number (3)。

4.2.3.3 DWC2 Host

```

1
2 01 [ 0.579425] ff580000.usb supply vusb_d not found, using dummy regulator
3 02 [ 0.579500] ff580000.usb supply vusb_a not found, using dummy regulator
4 03 [ 0.866540] dwc2 ff580000.usb: EPs: 10, dedicated fifos, 972 entries in SPRAM
5 04 [ 0.867120] dwc2 ff580000.usb: DWC OTG Controller
6 05 [ 0.867163] dwc2 ff580000.usb: new USB bus registered, assigned bus number 1
7 06 [ 0.867211] dwc2 ff580000.usb: irq 43, io mem 0x00000000
8 07 [ 0.867428] usb usb1: New USB device found, idVendor=1d6b, idProduct=0002

```



```

9 08 [ 0.867449] usb usb1: New USB device strings: Mfr=3, Product=2, SerialNumber=1
10 09 [ 0.867466] usb usb1: Product: DWC OTG Controller
11 10 [ 0.867480] usb usb1: Manufacturer: Linux 4.4.103 dwc2_hsothg
12 11 [ 0.867495] usb usb1: SerialNumber: ff580000.usb
13 12 [ 0.868254] hub 1-0:1.0: USB hub found
14 13 [ 0.868303] hub 1-0:1.0: 1 port detected
15 ...
16

```

上述为DWC2 HOST控制器初始化完整打印，同其它Host控制器，从log也可以获取到如下信息：

- 控制器基本信息，包括中断号、设备虚拟地址、控制器部分配置信息。
- DWC2 HOST控制器被枚举为一个USB2.0 Root HUB (hub 1-0:1.0)，同时也可以看出该HUB被分配的BUS Number (1)。

4.2.3.4 DWC3 Host

```

1 01 [ 0.942624] xhci-hcd xhci-hcd.7.auto: xHCI Host Controller
2 02 [ 0.942662] xhci-hcd xhci-hcd.7.auto: new USB bus registered, assigned bus
  number 4
3 03 [ 0.943032] xhci-hcd xhci-hcd.7.auto: hcc params 0x0220fe64 hci version 0x110
  quirks 0x00210010
4 04 [ 0.943107] xhci-hcd xhci-hcd.7.auto: irq 185, io mem 0xff600000
5 05 [ 0.943357] usb usb4: New USB device found, idVendor=1d6b, idProduct=0002
6 06 [ 0.943378] usb usb4: New USB device strings: Mfr=3, Product=2, SerialNumber=1
7 07 [ 0.943395] usb usb4: Product: xHCI Host Controller
8 08 [ 0.943410] usb usb4: Manufacturer: Linux 4.4.103 xhci-hcd
9 09 [ 0.943425] usb usb4: SerialNumber: xhci-hcd.7.auto
10 10 [ 0.944176] hub 4-0:1.0: USB hub found
11 11 [ 0.944226] hub 4-0:1.0: 1 port detected
12 12 [ 0.944647] xhci-hcd xhci-hcd.7.auto: xHCI Host Controller
13 13 [ 0.944676] xhci-hcd xhci-hcd.7.auto: new USB bus registered, assigned bus
  number 5
14 14 [ 0.944779] usb usb5: we don't know the algorithms for LPM for this host,
  disabling LPM.
15 15 [ 0.944943] usb usb5: New USB device found, idVendor=1d6b, idProduct=0003
16 16 [ 0.944963] usb usb5: New USB device strings: Mfr=3, Product=2, SerialNumber=1
17 17 [ 0.944979] usb usb5: Product: xHCI Host Controller
18 18 [ 0.944994] usb usb5: Manufacturer: Linux 4.4.103 xhci-hcd
19 19 [ 0.945009] usb usb5: SerialNumber: xhci-hcd.7.auto
20 20 [ 0.945718] hub 5-0:1.0: USB hub found
21 21 [ 0.945766] hub 5-0:1.0: 1 port detected
22 ...
23

```

DWC3 Host集成XHCI控制器，上述为XHCI控制器初始化完整打印，从log可以获取到如下信息：

- 控制器基本信息，包括中断号、设备虚拟地址、控制器版本等信息。
- XHCI控制器分别被枚举为一个USB3.0 Root HUB (hub 4-0:1.0)和一个USB2.0 Root HUB (hub 5-0:1.0)，同时也可以看出两个HUB被分配到的BUS Number。

4.3 设备侧日志

目前，Rockchip SoC除RK3399 芯片外，其它芯片都是集成DWC2 OTG IP，RK3399集成DWC3 OTG IP，支持USB3.0，所以设备侧log分dwc2和dwc3阐述。

Kernel 4.4，DWC2使用drivers/usb/dwc2目录驱动；DWC3使用drivers/usb/dwc3目录驱动。

4.3.1 DWC2/DWC3 Peripheral

Kernel 4.4，开机在没有连接USB线的情况下，对于DWC2，如果控制器为OTG模式，日志同[DWC2 Host](#)；如果为Peripheral模式，则没有特别log输出；DWC3跟DWC2类似。

4.3.2 DWC2 Peripheral枚举日志

```
1 01 [ 18.566773] read descriptors
2 02 [ 18.566811] read descriptors
3 03 [ 18.566820] read strings
4 04 [ 18.631141] dwc2 ff580000.usb: bound driver configfs-gadget
5 05 [ 18.767106] dwc2 ff580000.usb: new device is high-speed
6 06 [ 18.796143] android_work: sent uevent USB_STATE=CONNECTED
7 07 [ 18.807125] dwc2 ff580000.usb: new device is high-speed
8 08 [ 18.835990] dwc2 ff580000.usb: new address 1
9 09 [ 18.871528] configfs-gadget gadget: high-speed config #1: b
10 10 [ 18.871732] android_work: sent uevent USB_STATE=CONFIGURED
11 ...
```

上面Log为DWC2 Peripheral枚举的完整日志。

- 01-03行Android层开始配置Gadget；
- 04-05为控制器枚举信息；
- 06行表示枚举成功，Gadget通过Uevent向Android发送Connected消息；
- 10行Gadget通过Uevent向Android发送Configured消息；表示Gadget配置成功。

4.3.3 DWC3 Peripheral枚举日志

```
1 01 [ 13.924130] fusb302 4-0022: CC connected in 1 as UFP
2 02 [ 14.061902] phy phy-ff770000.syscon:usb2-phy@e450.5: charger = USB_SDP_CHARGER
3 03 [ 15.633013] fusb302 4-0022: PD disabled
4 04 [ 15.635514] cdn-dp-fb fec00000.dp-fb: lanes count does not change: 0
5 05 [ 15.651643] rockchip-dwc3 usb@fe800000: USB peripheral connected
6 06 [ 19.811878] read descriptors
7 07 [ 19.811923] read strings
8 08 [ 19.938589] android_work: sent uevent USB_STATE=CONNECTED
9 09 [ 19.973662] configfs-gadget gadget: super-speed config #1: b
10 10 [ 19.974071] android_work: sent uevent USB_STATE=CONFIGURED
11 ...
```

上面log为DWC3 Peripheral枚举的完整日志。

- 01行FUSB302检测到USB线有接入；
- 02行充电检测启动，因为接着PC，所以为标准充电器；
- 06-07行Android层开始配置Gadget；
- 08行表示枚举成功，Gadget通过Uevent向Android发送Connected消息；

- 09-10行，USB Config配置成功，Gadget通过Uevent向Android发送Configured配置成功消息。