

BA5000平台 - 错误 #674

fhdemo 绑定cpu后，接收时出现rx_seq 跟 ttiCount 逐渐增大的情况。

2021-10-26 15:46 - 战 弋戈

状态:	已解决	开始日期:	2021-10-26
优先级:	普通	计划完成日期:	
指派给:	杨晋	% 完成:	0%
类别:		预期时间:	0.00 小时
目标版本:		耗时:	0.00 小时
问题归属:	DRV, FPGA		

描述

```
[Tx] Tput=5877Mbps timeDiff=5000008us txTotal=3673600000 txCount=10000 rxCount=0, tx_seq: 1280000, rx_seq: 1280000, diff: 0, ttiCount: 1280001
[Rx] Tput=5877Mbps timeDiff=5000005us rxTotal=3673600000 txCount=9999 rxCount=10000, tx_seq: 1289999, rx_seq: 1290000, diff: 1, ttiCount: 1290001
[Tx] Tput=5877Mbps timeDiff=5000011us txTotal=3673600000 txCount=10000 rxCount=0, tx_seq: 1290000, rx_seq: 1290000, diff: 0, ttiCount: 1290001
[Rx] Tput=5877Mbps timeDiff=5000003us rxTotal=3673600000 txCount=9999 rxCount=10000, tx_seq: 1299999, rx_seq: 1300000, diff: 1, ttiCount: 1300001
[Tx] Tput=5877Mbps timeDiff=5000030us txTotal=3673600000 txCount=10000 rxCount=0, tx_seq: 1300000, rx_seq: 1300000, diff: 0, ttiCount: 1300001
[Rx] Tput=5877Mbps timeDiff=5000027us rxTotal=3673600000 txCount=9999 rxCount=10000, tx_seq: 1309999, rx_seq: 1310000, diff: 1, ttiCount: 1310001
[Tx] Tput=5877Mbps timeDiff=5000005us txTotal=3673600000 txCount=10000 rxCount=0, tx_seq: 1310000, rx_seq: 1310000, diff: 0, ttiCount: 1310001
[Tx] Tput=5877Mbps timeDiff=4999984us rxTotal=3673600000 txCount=10000 rxCount=9999, tx_seq: 1320000, rx_seq: 1319999, diff: -1, ttiCount: 1320001
[Rx] Tput=5877Mbps timeDiff=5000014us rxTotal=3673600000 txCount=0 rxCount=10000, tx_seq: 1320000, rx_seq: 1320000, diff: 0, ttiCount: 1320001
[Tx] Tput=5877Mbps timeDiff=4999996us rxTotal=3673600000 txCount=10000 rxCount=9999, tx_seq: 1330000, rx_seq: 1329999, diff: -1, ttiCount: 1330001
[Rx] Tput=5877Mbps timeDiff=5000007us rxTotal=3673600000 txCount=0 rxCount=10000, tx_seq: 1330000, rx_seq: 1330000, diff: 0, ttiCount: 1330001
[Tx] Tput=5877Mbps timeDiff=5000004us rxTotal=3673600000 txCount=10000 rxCount=9999, tx_seq: 1340000, rx_seq: 1339999, diff: -1, ttiCount: 1340001
[Rx] Tput=5877Mbps timeDiff=5000006us rxTotal=3673600000 txCount=0 rxCount=10000, tx_seq: 1340000, rx_seq: 1340000, diff: 0, ttiCount: 1340001
[Tx] Tput=5877Mbps timeDiff=5000003us rxTotal=3673600000 txCount=10000 rxCount=9999, tx_seq: 1350000, rx_seq: 1349999, diff: -1, ttiCount: 1350001
[Rx] Tput=5877Mbps timeDiff=5000008us rxTotal=3673600000 txCount=0 rxCount=10000, tx_seq: 1350000, rx_seq: 1350000, diff: 0, ttiCount: 1350001

[Tx] Tput=5877Mbps timeDiff=5000002us rxTotal=3673600000 txCount=10000 rxCount=9999, tx_seq: 4310000, rx_seq: 4309999, diff: -1, ttiCount: 4310001
[Rx] Tput=5877Mbps timeDiff=5000012us rxTotal=3673600000 txCount=0 rxCount=10000, tx_seq: 4310000, rx_seq: 4310000, diff: 0, ttiCount: 4310002
[Tx] Tput=5877Mbps timeDiff=5000004us rxTotal=3673600000 txCount=10000 rxCount=9990, tx_seq: 4320000, rx_seq: 4319990, diff: -10, ttiCount: 4320001
[Rx] Tput=5877Mbps timeDiff=50004521us rxTotal=3673600000 txCount=9 rxCount=10000, tx_seq: 4320009, rx_seq: 4320000, diff: -9, ttiCount: 4320011
[Tx] Tput=5877Mbps timeDiff=5000003us rxTotal=3673600000 txCount=10000 rxCount=9990, tx_seq: 4330000, rx_seq: 4329990, diff: -10, ttiCount: 4330001
[Rx] Tput=5877Mbps timeDiff=4999994us rxTotal=3673600000 txCount=9 rxCount=10000, tx_seq: 4330009, rx_seq: 4330000, diff: -9, ttiCount: 4330011
[Tx] Tput=5877Mbps timeDiff=5000005us rxTotal=3673600000 txCount=10000 rxCount=9990, tx_seq: 4340000, rx_seq: 4339990, diff: -10, ttiCount: 4340001
[Rx] Tput=5877Mbps timeDiff=5000000us rxTotal=3673600000 txCount=9 rxCount=10000, tx_seq: 4340009, rx_seq: 4340000, diff: -9, ttiCount: 4340011
[Tx] Tput=5877Mbps timeDiff=5000002us rxTotal=3673600000 txCount=10000 rxCount=9990, tx_seq: 4350000, rx_seq: 4349990, diff: -10, ttiCount: 4350001
[Rx] Tput=5877Mbps timeDiff=5000006us rxTotal=3673600000 txCount=9 rxCount=10000, tx_seq: 4350009, rx_seq: 4350000, diff: -9, ttiCount: 4350011
[Tx] Tput=5877Mbps timeDiff=5000002us rxTotal=3673600000 txCount=10000 rxCount=9990, tx_seq: 4360000, rx_seq: 4359990, diff: -10, ttiCount: 4360001

[Rx] Tput=5877Mbps timeDiff=5000006us rxTotal=3673600000 txCount=9 rxCount=10000, tx_seq: 4660009, rx_seq: 4660000, diff: -9, ttiCount: 4660011
[Tx] Tput=5877Mbps timeDiff=5000002us rxTotal=3673600000 txCount=10000 rxCount=9990, tx_seq: 4670000, rx_seq: 4669990, diff: -10, ttiCount: 4670001
[Rx] Tput=5877Mbps timeDiff=5000004us rxTotal=3673600000 txCount=9 rxCount=10000, tx_seq: 4670009, rx_seq: 4670000, diff: -9, ttiCount: 4670011
[Tx] Tput=5877Mbps timeDiff=5000003us rxTotal=3673600000 txCount=10000 rxCount=6783, tx_seq: 4680000, rx_seq: 4676783, diff: -3217, ttiCount: 4680001
[Rx] Tput=3578Mbps timeDiff=8211550us rxTotal=3673600000 txCount=6432 rxCount=10000, tx_seq: 4686432, rx_seq: 4680000, diff: -6432, ttiCount: 4686434
[Tx] Tput=5877Mbps timeDiff=5000003us rxTotal=3673600000 txCount=10000 rxCount=1783, tx_seq: 4690000, rx_seq: 4681783, diff: -8217, ttiCount: 4690001
[Tx] Tput=5877Mbps timeDiff=5000006us rxTotal=3673600000 txCount=10000 rxCount=6783, tx_seq: 4700000, rx_seq: 4686783, diff: -13217, ttiCount: 4700001
```

相关的问题:

关联到 STE - 错误 #668: FPGA使用FH进行demo测试，概率性出现跑一会接收异常	挂起	2021-10-19
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历史记录

#1 - 2021-10-26 15:59 - 战 弋戈
 同时在排查日志过程中，发现有日志丢失现象。
 通过检查代码，会只保留第一个日志文件，其他两个文件会被不断进行覆盖。 以前的需求是想保留第一个文件，认为第一个文件比较有用。

#2 - 2021-10-26 16:23 - 杨晋
 - 关联到 错误#668: FPGA使用FH进行demo测试，概率性出现跑一会接收异常 已添加

#3 - 2021-10-26 16:46 - 杨晋
 - 文件ste_1.png 已添加
 - 文件ste_2.png 已添加
 - 状态从 新建 变更为 进行中

在247环境上，使用STE版本，运行一个半小时，未出现异常。

```
[Rx] Tput=6122Mbps timeDiff=4799979us rxTotal=3673600000 txCount=9999 rxCount=10000, tx_seq: 10869999, rx_seq: 10870000, diff: 1, ttiCount: 10870001
[Tx] Tput=6122Mbps timeDiff=4799983us rxTotal=3673600000 txCount=10000 rxCount=0, tx_seq: 10870000, rx_seq: 10870000, diff: 0, ttiCount: 10870001
[Rx] Tput=6122Mbps timeDiff=4799978us rxTotal=3673600000 txCount=9999 rxCount=10000, tx_seq: 10879999, rx_seq: 10880000, diff: 1, ttiCount: 10880001
[Tx] Tput=6122Mbps timeDiff=4799983us rxTotal=3673600000 txCount=10000 rxCount=0, tx_seq: 10880000, rx_seq: 10880000, diff: 0, ttiCount: 10880001
[Rx] Tput=6122Mbps timeDiff=4799979us rxTotal=3673600000 txCount=9999 rxCount=10000, tx_seq: 10889999, rx_seq: 10890000, diff: 1, ttiCount: 10890001
[Tx] Tput=6122Mbps timeDiff=4799982us rxTotal=3673600000 txCount=10000 rxCount=0, tx_seq: 10890000, rx_seq: 10890000, diff: 0, ttiCount: 10890001
[Rx] Tput=6122Mbps timeDiff=4799978us rxTotal=3673600000 txCount=9999 rxCount=10000, tx_seq: 10899999, rx_seq: 10900000, diff: 1, ttiCount: 10900001
[Tx] Tput=6122Mbps timeDiff=4799982us rxTotal=3673600000 txCount=10000 rxCount=0, tx_seq: 10900000, rx_seq: 10900000, diff: 0, ttiCount: 10900001
[Rx] Tput=6122Mbps timeDiff=4799979us rxTotal=3673600000 txCount=9999 rxCount=10000, tx_seq: 10909999, rx_seq: 10910000, diff: 1, ttiCount: 10910001
[Tx] Tput=6122Mbps timeDiff=4799983us rxTotal=3673600000 txCount=10000 rxCount=0, tx_seq: 10910000, rx_seq: 10910000, diff: 0, ttiCount: 10910001
```

此时RU检测到DU和RU时钟是同步的（RU收到DU的tti时隙中断计数器和

RU本地122.88M时钟产生的61440计数中断一致，且RU收到tti时隙中断未出现较大偏移)。



#4 - 2021-10-29 12:22 - 战 弋戈

tti 增大问题看现象最后也会出现只有发送没有接收的情况。应该可以进行关联。

#5 - 2021-12-20 18:14 - 杨 晋

- 状态从 进行中 变更为 挂起

问题未再出现

#6 - 2023-06-29 10:12 - 杨 晋

- 状态从 挂起 变更为 进行中

- 问题归属 DRV, FPGA 已添加

#7 - 2023-06-29 10:12 - 杨 晋

- 状态从 进行中 变更为 已解决

文件

文件	大小	日期	作者
1.png	45.1 KB	2021-10-26	战 弋戈
2.png	35.5 KB	2021-10-26	战 弋戈
3.png	23.6 KB	2021-10-26	战 弋戈
ste_1.png	8.07 KB	2021-10-26	杨 晋
ste_2.png	29.5 KB	2021-10-26	杨 晋