

SR6604、SR6608、SR6616路由器的BKEA(B/C)扩展板

与RSE-X1 (占一个槽位的大主控板) 主控板不同, RPE-X1/X3的主控板不能直接插入SR6600路由器的机框中而必须先机框中插入一块扩展板附件后, 再将RPE-X1/X3插入扩展板, 这样RPE-X1才能正常的识别、使用, 这块扩展板附件就叫做BKEA (B/C) 扩展板。

注意以下几点:

- 1、SR6604/SR6608的机框发货, BKEB都是安装到机框的, RPE主控板直接插入即可。SR6616往往是单独发货, 需要安装时先插入BKEB, 在插入主控板;
- 2、在使用RSE的情况下 不能同时插入BKEA扩展板, 如果将BKEA扩展板与RSE混插, 会造成线卡 (FIP210 FIP110) 不能正常识别、注册;
- 3、早期发货的BKEA已经停产, 后期发货都是BKEB了。
- 4、RPE-X3主控的托盘为BKEC
- 5、BKEB存在已知的芯片问题, 会造成板件不通问题, 该问题可以通过升级版本 (R3303P16) 或者更换硬件解决
- 6、RPE-X3的主控板需要对应到BKEC的扩展板, 否则会进入异常"kdb"视图, 无法执行命令。启动过程如下:

```
System is starting...
Press Ctrl+D to access BASIC-BOOTWARE MENU
Press Ctrl+T to start memory test
Booting Normal Extended BootWare
The Extended BootWare is self-decompressing.....
Done.
```

```
*****
*                                     *
*           H3C SR66 BootWare, Version 2.04           *
*                                     *
*****
```

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```
Compiled Date   : Jan 12 2015
CPU Type       : P2020
CPU L1 Cache   : 32KB
CPU Clock Speed : 1000MHz
Memory Type    : DDR3 SDRAM
Memory Size    : 2048MB
Memory Speed   : 800MHz
Flash Size     : 8MB
NVRAM Size     : 128KB
BASIC CPLD Version : 1.0
EXTENDED CPLD Version: 1.0
PCB Version    : Ver.B
```

```
BootWare Validating...
Press Ctrl+B to access EXTENDED-BOOTWARE MENU...
Loading the main image files...
Loading file flash:/SR6600-CMW710-SYSTEM-E7102P02-RPE3.bin.....
.....Done.
Loading file flash:/SR6600-CMW710-BOOT-E7102P02-RPE3.bin.....
.....Done.
```

```
Image file flash:/SR6600-CMW710-BOOT-E7102P02-RPE3.bin is
self-decompressing.....
.....
.....
.....
.....
```

.....
.....Done.

System image is starting...

Entering kdb (current=0xe02fa760, pid 29) on processor 0 Oops: Kernel access of bad area
due to oops @ 0xf57a9174

r0 = 0x00000000 r1 = 0xe059fd80
r2 = 0xe02fa760 r3 = 0x00000000
r4 = 0x00000009 r5 = 0xe059fd3a
r6 = 0xf7c10741 r7 = 0x00000001
r8 = 0xf7b846d8 r9 = 0x00000000
r10 = 0xf7b846d8 r11 = 0x0000000a
r12 = 0x22000082 r13 = 0x100f6104
r14 = 0x00000000 r15 = 0x00000000
r16 = 0x00000000 r17 = 0x80095690
r18 = 0x00000000 r19 = 0x00000124
r20 = 0x0000001c r21 = 0x0000001d
r22 = 0xf42ae044 r23 = 0xf7b75fa8
r24 = 0xf6e387bc r25 = 0xf6e3883c
r26 = 0xf56e46a0 r27 = 0xf5bf2310
r28 = 0x5000000c r29 = 0xf7eb1800
r30 = 0x00000000 r31 = 0x00000000
pc = 0xf57a9174 msr = 0x00029200
gpr3 = 0xf56e46a0 ctr = 0xf555b830
lr = 0xf57a9164 xer = 0x20000000
ccr = 0x22000042 mq = 0xf7fe0000
trap = 0x00000300 dar = 0x00000010
dsisr = 0x00000000 ret = 0x00000000

[0]kdb> dis ver

dis = 0x0000000d

[0]kdb> dis

dis = 0x0000000d