

UUB Petalinux architecture

Solution in present UUB (monolithic)

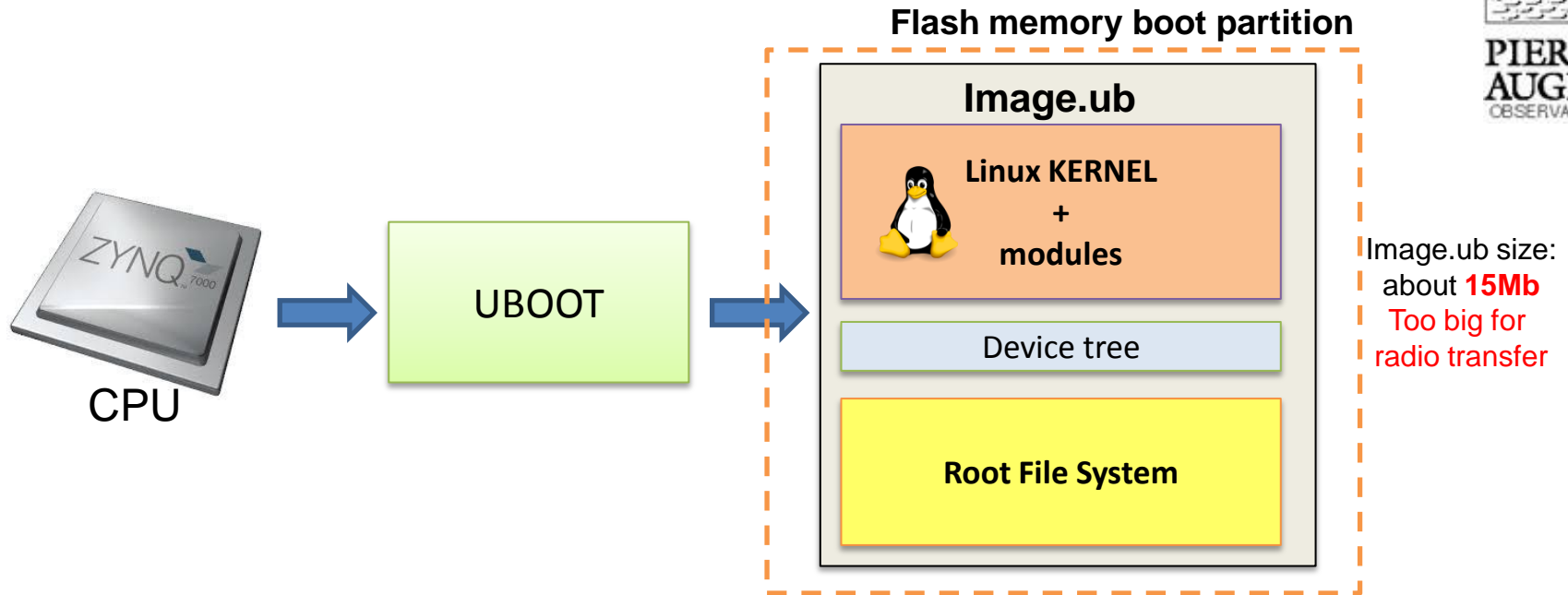


image.ub is a compressed file to build all linux components

At system startup UBOOT decompress image.ub into the ram and lunch the kernel

Advantages of the solution:

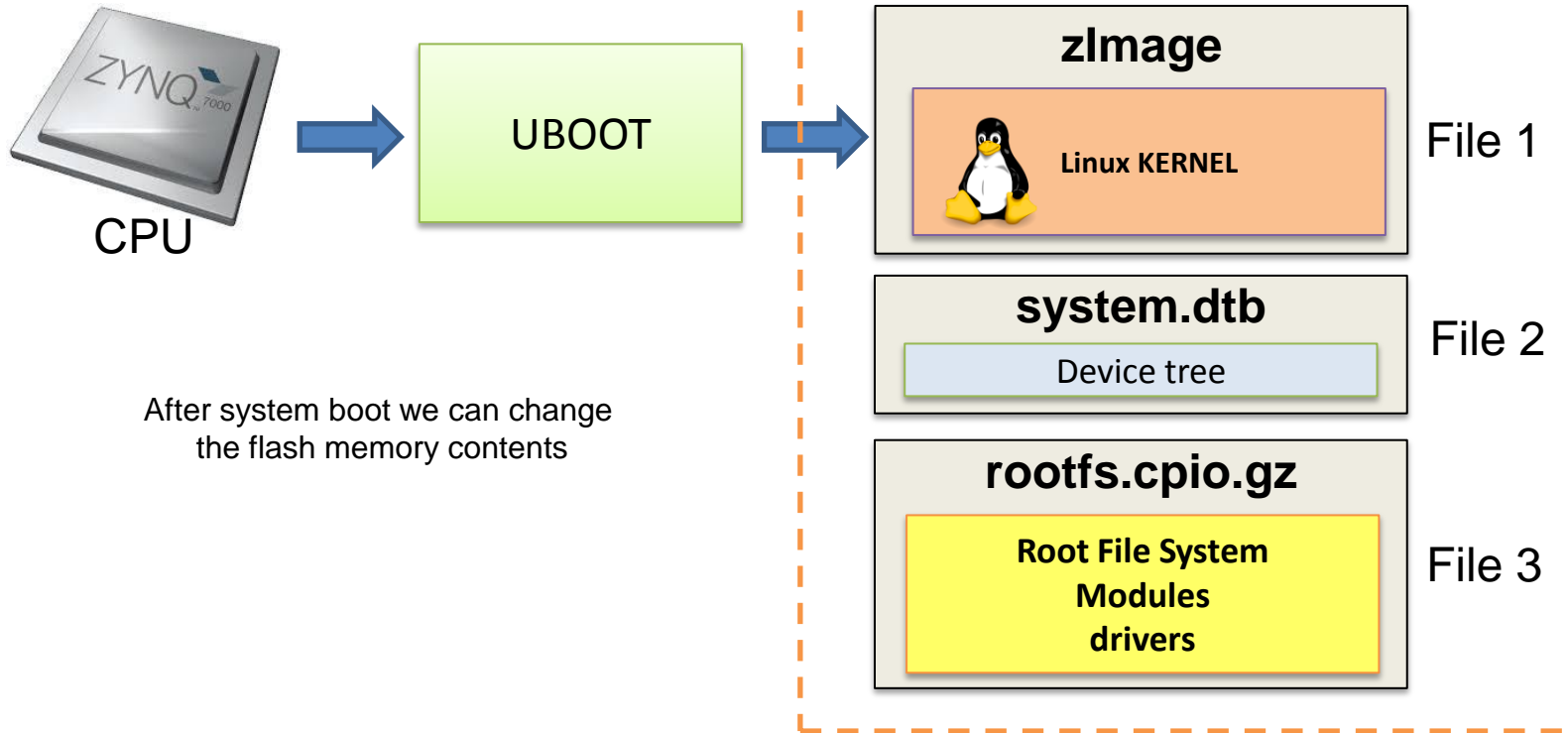
- Easy to manage, one file only
- Easy to build and release

disadvantages:

- No flexibility to change the single component
- Too big to transfer by radio

Next Petalinux architecture

A solution for the future



Advantages of the solution:

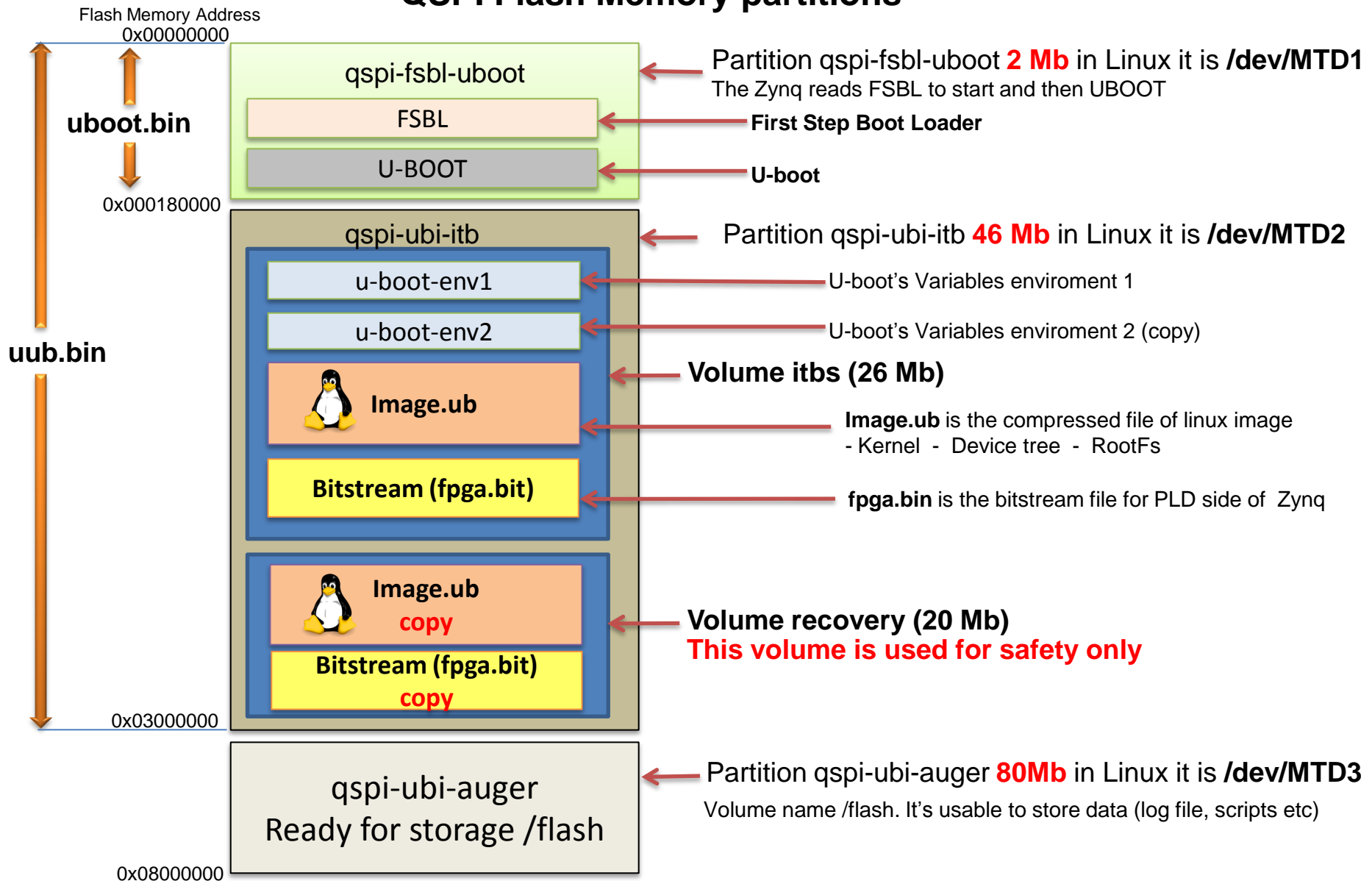
- Very flexible to implement new software device (system.dtb just 20Kb)
- Small files by radio

disadvantages:

- More complex to manage, more files

Backup slides

QSPI Flash Memory partitions



uub.bin = entire flash memory content from 0x0 to 0x3000000 address (48Mb)

uboot.bin = FSBL and u-boot programs (490 Kb)

How patching works

