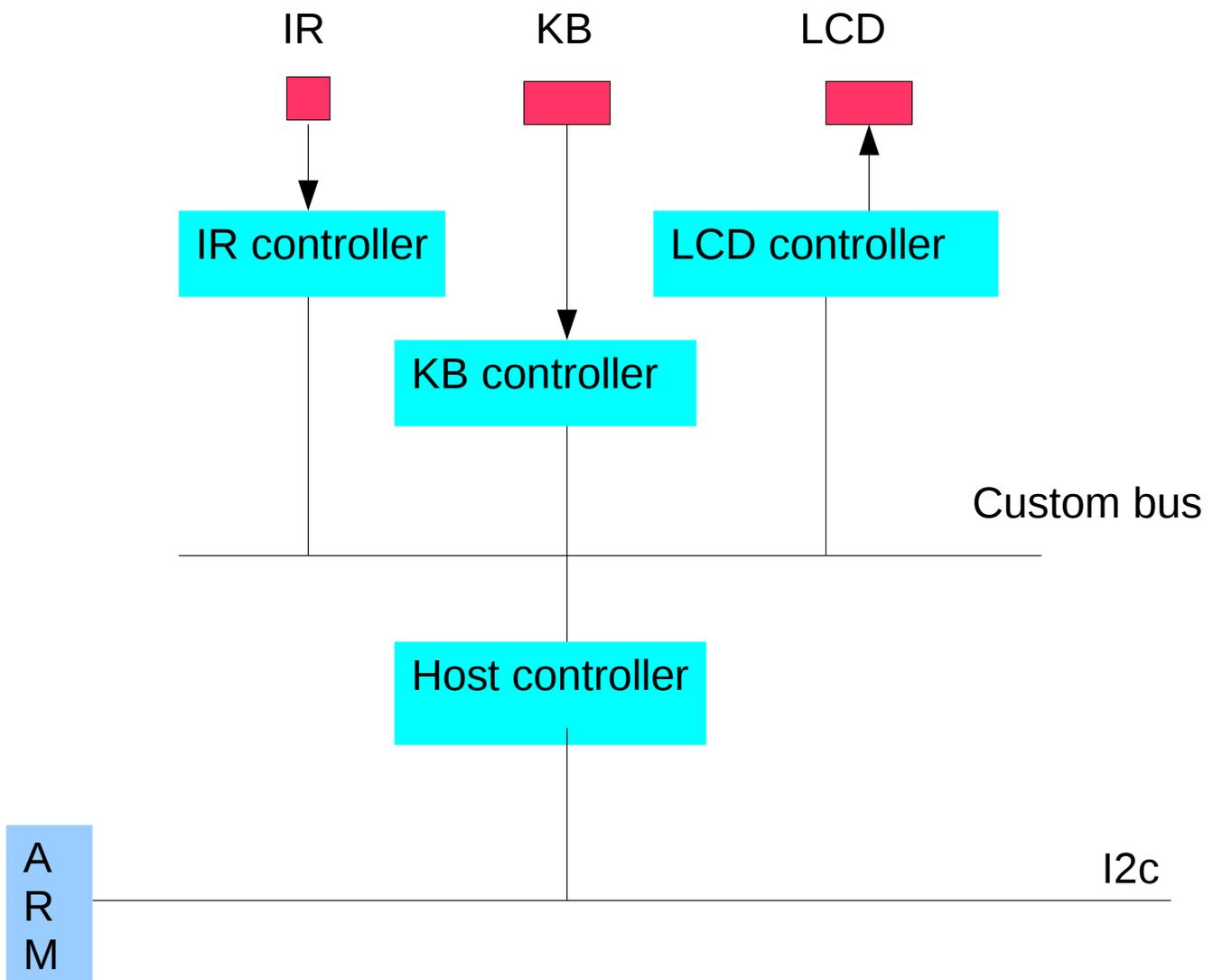
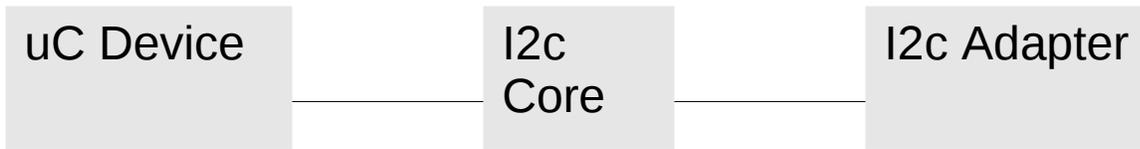


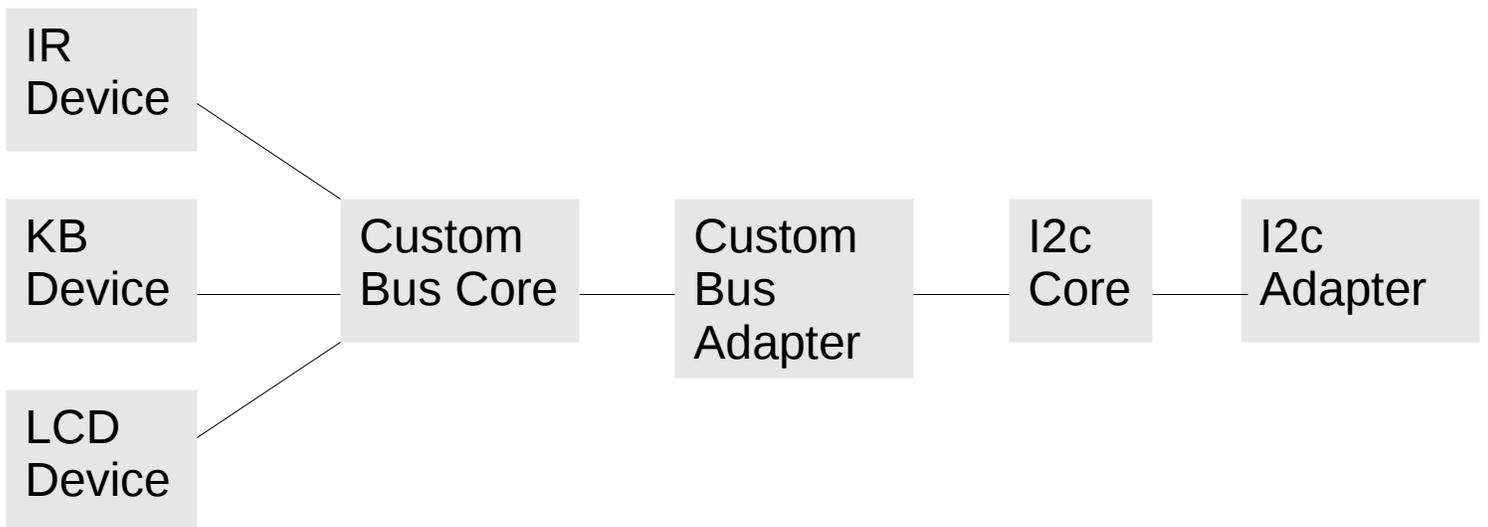
uController has API : `IR_read()`, `KB_read()`, `LCD_write()`
 (Real API is more complex of course).

uController can be seen as an emulation of the SOC
 below :





For an ARM driver writer the device model can be the drawing upside (uController is seen as a monolithic i2c device) or the drawing downside (uController is seen as a SOC) :



I have a uController connected to a i2c bus as seen in slide 1 but i want the device model of the drawing downside. How can i implement this kind of custom subsystem in the embedded linux of ARM host ?
(something very simple much like platform bus).