



All 4 Picos (Keyboard, Support and the optional 2 in the display PCB) can be programmed by the CM4 via SWD. The 2 SWD line (clock and data) will be switched one of four ways by a MUX.

Additionally there will be some sort of main power switch linked to the double shift keys. When double shift is pressed, the keyboard (KB) Pico will wake up the support Pico using a single GPIO. The support Pico can then act as necessary, either waking up the side display(s), and/or the CM4, or going back to sleep. The smarts for waking the whole system up are in the support Pico.