



Sony Mobile phone debug board

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What is demonstrated

Mainline top-of-tree Linux kernel (linux-next) running on Xperia hardware connected to a universal debug board.

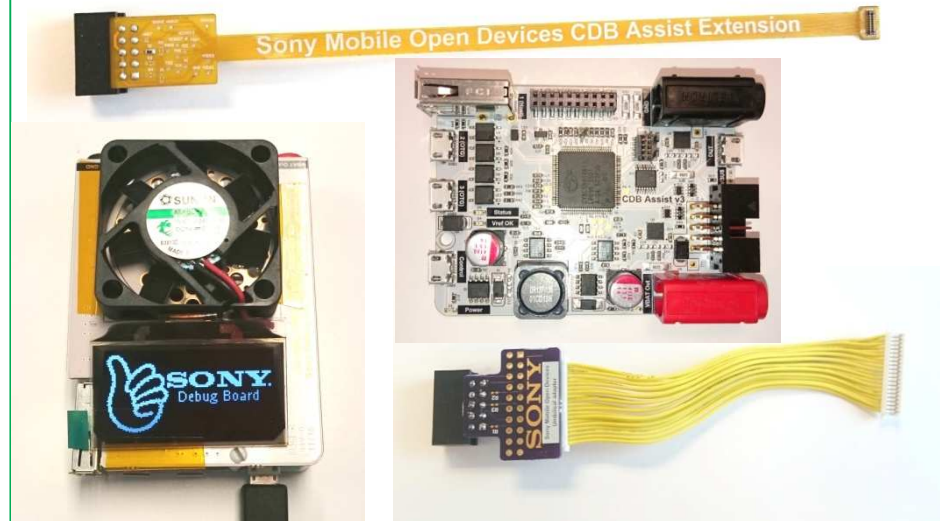
Debug board capabilities:

- Software controlled (USB-ACM) power supply with 0-15V programmable output to provide power to the device (max 10W) with monitoring.
- UART interface presented as a second USB-ACM port adapting to LV-TTL levels from 1V to 5V or RS-232 levels.
- Up to 3 buttons emulated (for instance to power on, enter bootloader mode etc.). Board can be reconfigured by host to provide 6 GPIOs instead.
- USB VBUS switch to simulate USB cable disconnect. V3 board allows automated switching between host-mode and device-mode.
- Optional dummy load add-on for charging testing.

Hardware Information

Xperia Z2 Tablet running mainline Linux kernel
Sony Debug Board (CDB Assist)

What was improved



Adapters to connect directly to internal debug port in Xperia devices and to development boards.

Bootloader unlocking information for Xperia devices:
<http://unlockbootloader.sonymobile.com>

Source code or detail technical information availability

<https://github.com/andersson/kernel.git>

http://elinux.org/Sony_Debug_Assist_board