

BayTrail Fast Boot

Booting race between coreboot and UEFI official firmware on Minnowboard Turbot.

Description:

The demo is presenting alternative open source firmware - **coreboot** - in comparison to **UEFI** implementation on the example of BayTrail platform - **MinnowBoard Turbot**. Additionally, we present how fast can embedded platform boot with open source firmware compared to official firmware. The platforms are running the same operating system (in UEFI and legacy mode) in multi-user target. The chosen distro is lightweight **Solus OS**. Using common Linux and coreboot tools, boot times are presented of both firmware implementations.

Instruction:

- Switch power button on power strip to start the race
- Observe terminal outputs and find out which firmware is faster!

Elements:

- MinnowBoard Turbot Quad with coreboot firmware
- MinnowBoard Turbot Quad with UEFI official firmware
- power strip for simultaneous power distribution
- monitor showing two serial consoles



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