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Improving stability for TCPM using boards that are not self-powered

Thursday 11 December 2025 17:00 (28 minutes)

In this session we will discuss how to improve system stability of boards using fusb302 (or similar) chips for their USB-C port without any backup power source. This kind of setup is often found on Rockchip boards (e.g. Libre Computer ROC-RK3399-PC, Radxa ROCK 5B or ArmSoM Sige 5) and quite a pain, because a hard-reset effectively kills the board power.

The session starts with a short presentation of the problem(s) and work that has already been done to get it working to some degree with the upstream kernel. Afterwards the plan is to discuss how to improve the situation to avoid hard resets as much as possible.

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