



Mainline Linux on 64-bit ARM Amlogic SoCs

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What is demonstrated

BayLibre

WETEK

NEXBOX

What was improved

BayLibre team mainlining effort gives Linux 4.10 support for :

- General I/O
- USB Host for S905
- Video Display (Composite only)
- 10/100/1000 Ethernet
- eMMC/SD/SDIO
- PSCI for SMP
- SCPI for DVFS

Work in progress from BayLibre :

- HDMI Display Support
- Mali Support (as external module)
- Audio Input/Output
- High-Speed eMMC modes

160+ patches merged, 18000+ lines changed since Linux 4.7

Source code or detailed technical information

- <http://baylibre.com/blog/>
- <http://linux-meson.com>
- <http://kernel.org>

Hardware Information

Amlogic S905/S905X/S912 Based products with Quad/Octo Cortex-A53, HDMI 2.0a, Mali-450/Mali-T820.