

VAR-SOM-MX6 / DART-MX6 / VAR-SOM-SOLO/DUAL Yocto Pyro release notes

Based on release	Yocto: Poky 2.2.1, BSP: FSL Community BSP 2.2, Linux: Freescale rel_imx_4.1.15_2.0.0_ga
Nature of release	New FSL Community Yocto Pyro release
Release git	https://github.com/varigit/variscite-bsp-platform
Release tag	pyro-fsl-4.1.15-mx6-v1.0
Date	10/1/2017
Supported platform	All VAR-SOM-MX6 family
SOM revision	VAR-SOM-MX6 V2.x / VAR-SOM-SOLO / VAR-SOM-DUAL / DART-MX6
Carrier board revision	V1.2 and higher
Embedded Linux distribution	Yocto FSL Community BSP Pyro 2.3 based
FSL Community BSP link	http://freescale.github.io/doc/release-notes/2.3/
Kernel git	https://github.com/varigit/linux-2.6-imx
Kernel branch	imx-rel_imx_4.1.15_2.0.0_ga-var02
U-Boot git	https://github.com/varigit/uboot-imx
U-Boot branch	imx_v2015.04_4.1.15_1.1.0_ga_var03
File System build system	Yocto Pyro
Recovery SD card link	pyro-fslc-4.1.15-mx6-v1.0.img.gz

Change List

Pyro v1.0:

Add SWUpdate double-copy support

U-Boot updates: Increase mmc data transaction timeout to 500ms, Add flexibility to boot/root mmc dev/part selection

Use tar.gz by default instead of tar.bz2 for rootfs tarballs

u-boot-fw-utils: Build and install both mmc and nand configs

Bluetooth: Reworked installation of pulseaudio A2DP modules

Audio: Run pulseaudio in system mode

Add support for VAR-SOM-MX6 with iMX6QP SOC

Configure hostapd start-up via /etc/default/hostapd

Pyro beta:

wl18xx WiFi/BT: Update driver and FW to release R8.7_SP2, and added a default calibration file (which significantly speeds firmware loading)

PCI: Disable MSI support by default

eudev: Disable device cache by default (It creates issues and inconsistencies with mmcbk numbering)

Add network bridging support and bridge-utils package

U-Boot updates: Fix ext4 failures reading links, watchdog management, add fatwrite command, add uEnv.txt support, add support for custom kernel arguments, fix HW conflicts with VAR-SOM-MX6 Rev 1.x, ...