

VAR-SOM-MX8 / SPEAR-MX8 Yocto Sumo v1.8 release notes	
Based on release	Yocto: Poky 2.5, BSP: NXP Sumo BSP L4.14.98-2.0.0_ga, Linux: Freescale imx_4.14.98-2.0.0_ga
Nature of release	Variscite Yocto Sumo i.MX8QM Release V1.8
Date	5/28/2020
Supported platform	VAR-SOM-MX8/SPEAR-MX8
SOM revision	v1.1 and higher
Carrier board revision	v1.1 and higher
Variscite BSP git	https://github.com/varigit/meta-variscite-imx
Variscite BSP branch	sumo-imx-4.14.98-var01
Variscite BSP commit ID	1b4302d16e7c6d96110e133157cbe8e8f6e33b08
Kernel git	https://github.com/varigit/linux-imx
Kernel branch	imx_4.14.98_2.0.0_ga_var01
Kernel commit ID	98788d5dc3bc8b019c1cad502d2d62aca36ec89a
U-Boot git	https://github.com/varigit/uboot-imx
U-Boot branch	imx_v2018.03_4.14.98_2.0.0_ga_var01
U-Boot commit ID	6751d25fb2cb6a90dc7e261f8d789be040c1b0cb
File System build system	Yocto Sumo
Recovery SD card link	var-som-mx8-recovery-sd.v19.img.gz
Change List	
Release 1.8	Description
Upgraded SCFW to version 1.2.10	
Upgraded SCFW DRAM configuration to RPA V19 CBT	
Added SCFW support for reading DRAM configuration from EEPROM	Required to support various DRAM sizes and configurations using a single boot image
Enabled U-Boot SPL	Required for customized DRAM configurations in SC firmware
Enabled U-Boot support for reading DRAM size from EEPROM	Instead of hardcoding DRAM size in U-Boot configuration, read actual DRAM size from EEPROM
Fixed alsactl store/restore sequence	alsactl -f state.conf store/restore sequence was failing due to driver bug, fixed now
Fixed Bluetooth suspend/resume sequence	
Release 1.7	
Fixed WiFi detection on latest revision of VAR-SOM-MX8	
Release 1.6	
Upgraded SCFW to version 1.2.8	Required to support latest CPU and PMIC revisions
Release 1.5	
Added Android support for SPEAR-MX8	
Fixed capacitive touch interrupt for VAR-SOM-MX8	Fixes capacitive touch on Symphony board v1.2, backwards compatible with older Symphony revisions
Release 1.4	
Added Yocto support for SPEAR-MX8	
Release 1.3	
Added Android support for VAR-SOM-MX8	
Release 1.2	
Added HDMI and DP support for VAR-SOM-MX8	HDMI and DP displays are now supported via Variscite extension modules
Fixed DRAM instability problem	Updated to latest NXP ATF release that fixes Cortex A72 cache configuration
Disabled U-Boot splash on LVDS display	Fixes U-Boot hang on reboot when HDMI or DP displays are connected
Fixed occasional WiFi driver crashes on reboot/poweroff	Do not stop Variscite WiFi service or reboot/poweroff as this causes occasional WiFi driver crashes
Release 1.1	
Initial Yocto release for VAR-SOM-MX8	
Known Issues	
SATA is disabled on SPEAR-MX8	i.MX8QM SATA support in Linux is currently not stable, disabled in DTS
USB Type-A ports are not supported in U-Boot on SPEAR-MX8	U-Boot USB driver does not recognize USB devices behind the hub