Freescale i.MX6x Sabre ARD/Sabre AI Board Support Package#

This BSP supports the Freescale i.MX6x Sabre ARD (Automotive Reference Design) platform, also known as the Sabre AI (Automotive Infotainment) platform, for Solo, Dual Lite, Dual, and Quad versions.

Releases#

New! QNX Neutrino 6.6.0 BSP#

Date	Version	Prerequisites	User Guide	Release Notes	License(s)	Support	Provider	Official BSP	Latest Experimental BSP
2016-10-25	6.6.0	QNX SDP 6.6.0	**here**	**here**	Apache II	QNX	QNX	**here**	**here**

QNX Neutrino 6.5.0 SP1#

Date	Version	Prerequisites	Installation Notes	Release Notes	License(s)	Status	Provider	Official BSP	Latest Experimental BSP
2015-01-23 **Updated!**	6.5.0 SP1	QNX Momentics 6.5.0 SP1	6.5.0 Generic Notes	here	QDL and Apache II	Experimental	QNX	Project Downloads	**2015-10-08 here**

DVFS Manager (6.5.0 SP1 only; DVFS support is included with SDP 6.6 and corresponding BSP)#

Click **here** to download the DVFS Manager and Client for armle-v7 SoCs - Note: kernel/libc patch also required for DVFS, get it here

Features#

Feature	Planned Availability	Format	Notes
IPL	Completed	SRC	
Startup	Completed	SRC	
Serial	Completed	SRC	
DMA library	Completed	SRC	
Ethernet	Completed	SRC	
MMC/SD	Completed	SRC	
SPI NOR flash	Completed	SRC	
Parallel (Linear) NOR flash	Completed	SRC	
SATA	Completed	SRC	
I2C	Completed	SRC	
SPI	Completed	SRC	
WDT	Completed	SRC	
USB	Completed	BIN	USB OTG ports supported as USB EHCI host
Audio	Completed	SRC	

Graphics	Completed		Screen Graphics available separately; contact your sales rep. for additional info
Touch driver	Completed	BIN	

QNX Neutrino 6.6.0 Change History#

February 28, 2014#

- Initial post

June 4, 2015#

- Removed old "mmcsd" driver and added new "sdmmc" driver
- Removed old "i2c-mx35" driver and added new "i2c-imx" driver
- Added example in startup to enable MMU/d-cache to improve boot time
- Fixed issue where SD card connector on base board did not work when using Solo or DualLite CPU cards

QNX Neutrino 6.5.0 Change History#

June 5, 2012 * Initial post#

June 13, 2012 * updated with support for SATA, DMA library, and Screen graphics#

July 9, 2012 * updated with support for IPL, ethernet, and audio (requires base board)#

November 5, 2012 * BSP now supports i.MX6S (Solo) version of ARD board, in addition to D/Q boards.#

December 14, 2012 * BSP is now SP1 only; added devb-ahci driver source, network driver updates for improved throughput, documentation updates#

April 4, 2013 * updated BSP release candidate currently under test#

August 29, 2013 * IPL fix to properly initialize PFD clocks for stable GPU initialization; boot time enhancements#

October 8, 2015 * Added experimental BSP with errata fixes#

Search Keywords: mx, i.mx, .mx61, .mx6Q Sabre, Sabre ARD, Freescale, MX, i.MX, .MX61, .MX6x, .MX6Q