Freescale i.MX6Q Sabre Board for Smart Devices - Board Support Package#

This BSP supports the Freescale i.MX6Q Sabre Board for Smart Devices.

Releases#

Updated! QNX Neutrino 6.6.0 BSP#

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

New PCIe Server Framework (experimental, pre-release version)#

Click **here** to download the new PCie Server for QNX SDP 6.6

TI Wilink 8 Wifi Support For 6.6.0#

The TI Wilink 8 chipset can be used with the Sabre Smart Devices board via the WL18xxCOM82SDMMC adapter board from TI. Click **here** to download the Wilink8 driver and documents which describe how to verify Wifi on the Sabre Smart Devices Board. Note that Sabre Smart Devices hardware mods and the latest validated 6.6.0 Sabre-Smart BSP (build #313) are required to use the Wifi drivers posted here.

u-boot#

The Sabre Smart BSP supports both the IPL and u-boot boot loaders. The latest u-boot binary can be obtained from Freescale. Alternatively a prebuilt binary can be downloaded here**.**

QNX SDP 6.6.0 Change History#

October 25, 2016#

- Update to address sdmmc driver issue

September 30, 2016#

- Posted latest experimental version of BSP (snapshot of current source code base), added Patches archive for net-core and libnetdrvr updates

February 9, 2016#

- Posted latest experimental version of BSP (snapshot of current source code base)

April 9, 2015#

- Posted BSP and Wilink 8 drivers corresponding to QNX Wireless Framework 1.0 Release

January 27, 2015#

- updated io-usb command line in build file, BSP now includes devu-ehci-mx28.so instead of devu-ehci-mx31.so

January 16, 2015#

- Added TI Wilink8 Wifi support

June 19, 2014#

- fixed an MSI interrupt issue

April 25, 2014#

- Initial pre-release version posted

Updated! QNX Neutrino 6.5.0 SP1#

Date	Version	Prerequisites	Installation Notes	User Guide	License(s)	Provider	Download
2017-05-04	6.5.0 SP1	QNX Momentics 6.5.0 SP1	6.5.0 Generic Notes	here	QDL and Apache II	QNX	Project Downloads

DVFS Manager#

Click **here** to download the DVFS Manager and Client for armle-v7 SoCs - Note: updated kernel/libc patch required for DVFS support, 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	
SDMMC	Completed	SRC	
SPI NOR flash	Completed	SRC	NOTE: SPI NOR flash is populated on build options MCIMX6Q-SDP and MCIMX6DL-SDP, but not on MCIMX6Q-SDB
SATA	Completed	BIN	
I2C	Completed	SRC	
WDT	Completed	SRC	
USB	Completed	BIN	

Audio	Completed	SRC	
Touch	Completed	SRC	
Graphics	Completed		Screen Graphics available separately; contact your sales rep. for additional info

QNX Neutrino 6.5.0 SP1 Change History#

May 4th, 2017#

- posted latest version of BSP that corresponds with the QNX Screen for 6.5.0 SP1 Update 2

December 16, 2015#

- posted latest QNX-built version of BSP

Release 1.4.0#

- Fix for HDMI output

Release 1.3.0#

- Screen drivers are packaged separately - December 18, 2012

Release 1.2.0#

- Updated Screen (see note above) and Input drivers and fixed a PCIe driver issue - December 05, 2012

Release 1.1.0#

- Repaired issue relating to loading BSP into IDE - October 11, 2012

Release 1.0.0#

- i.MX6x Sabre Smart BSP - Initial post - September 17, 2012

Search Keywords: mx, i.mx, .mx61, .mx6Q Smart Devices, Smart, Freescale, MX, i.MX, .MX61, .MX6x, .MX6Q